



**Attributes Guide**

March 2013

## **GXS Active Catalogue Attributes Guide**

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# Introduction

This guide presents the qXML names and descriptions and format requirements for the 600+ data attributes supported by GXS Active Catalogue. Use this guide to perform the following tasks:

- Construct, send, receive, and interpret qXML documents
- Work in the Error Processing facility of the browser interface

Use this guide in combination with the *GXS Active Catalogue qXML Reference Guide* to work with qXML documents. qXML is GXS's proprietary implementation of XML (Extensible Markup Language).

**Note:** GXS system-generated attributes such as `PRODUCT_COUNT` appear in response documents and subscription data exports but are not listed in this guide because they are maintained internally at GXS.

This document includes the following:

- Revisions in this version of GXS Active Catalogue
- Specifications for data attributes used in qXML documents to reference Account, Selection Code, Product, GTIN (Global Trade Item Number), media, and other catalogue information
- Appendices of acceptable values for a variety of data attributes and units of measure (UOM)

**Note:** Some retailers might not accept all of the codes listed.

This introduction is organized in the following sections:

- [“Audience”](#)
- [“Conventions Used In This Guide”](#) on page 2
- [“Accessing Product Documentation”](#) on page 2
- [“Retailers and Vendors”](#) on page 3
- [“Contacting Technical Support”](#) on page 3

## Audience

The audience for this guide is technical staff that construct, send, receive, and interpret qXML documents containing data attributes.

## Conventions Used In This Guide

This guide uses the following typographical conventions:

This convention...	Indicates...	Example...
"Text in quotes"	Cross-reference link to a section of the guide	" <a href="#">Contacting Technical Support</a> " on page 3
<i>Italic text</i>	Description or source of acceptable values for a data attribute	See <i>Appendix A</i>
Code text	qXML sample or example	VALUE="101"
ALL CAPS	qXML name of attribute, or qXML tag or input parameter name	ITEM.UNIT_COST (in general text, the attribute is called Unit Cost)

## Accessing Product Documentation

You can access all of the GXS product documentation for GXS Active Catalogue from within the Catalogue application. Most documentation is delivered in Adobe Acrobat PDF format. To read and print the documents, you will need Adobe Acrobat Reader, a free product from Adobe Systems. For information about downloading and installing Acrobat Reader, see the section, "[Installing Acrobat Reader.](#)"

### To access the product documentation

- 1 Log in to GXS Active Catalogue.
- 2 Click **Product Documentation > All Documents**.  
The Product Documentation List page opens. A list of the documents is displayed.
- 3 You have the option to open the document or save it to your computer. Do one of the following:
  - To open a document, click the document link. The document opens in a separate window.
  - To save the document to your computer, right click the document link and select **Save Target As**. The Save As window opens. Navigate to the location where you want to save the document, and click **Save**. The document is saved to your computer.

### Related Documentation

Relevant documents for using GXS Active Catalogue include the following:

- *GXS Active Catalogue qXML Reference Guide* — Use this guide as a companion to the attributes guide when working with qXML document.
- *GXS Active Catalogue Browser Interface User Guide* — Use this guide to understand how to use the browser interface to view, maintain, and download catalogue data. The guide also describes how to use Error Processing to view, correct, and either delete or resubmit error transactions.
- *GXS Active Catalogue 832 Batch Guide* — This guide contains attribute information required for sending and receiving EDI documents.
- *GXS Active Catalogue 888 Batch Guide for Vendors*—Vendors can use this guide to understand mapping guidelines for 888 documents. These documents load retailer-specific identifiers and other information for specified vendor product identifiers, as well as providing implicit trading partner access to the referenced products.

### **Installing Acrobat Reader**

Since most GXS product documentation is delivered in Adobe Acrobat PDF format, you will need Adobe Acrobat Reader to read and print the documentation. Acrobat Reader is a free product from Adobe Systems.

#### **To download and install Adobe Reader**

- 1 Launch a Web browser and navigate to <http://get.adobe.com/reader>
- 2 Download and install Adobe Reader. Follow the screens, accepting the defaults.

You can now access GXS product documentation by double-clicking the PDF file.

### **Retailers and Vendors**

In this guide the term “retailers” includes retailers, grocers, distribution centers, and third parties that extract data from GXS Active Catalogue. An example of a third party is a company that makes tags attached to apparel.

The term “vendors” includes vendors, manufacturers, distributors, brokers, and wholesalers.

### **Contacting Technical Support**

To contact GXS Global Support Services (GSS) for assistance in North America:

- Email [cataloguesupport@xs.com](mailto:cataloguesupport@xs.com)
- Call 877.446.6847

To contact GXS Global Support Services (GSS) for assistance in Europe, refer to the GXS website at <http://www.gxs.com> for available phone numbers



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# Overview



This chapter provides an overview of the use of data attributes in GXS Active Catalogue. Data attributes contain specific information about an account, GTIN, Product, or other element in a catalogue. They can be maintained using any interface. This guide presents the information necessary to work with data attributes in qXML documents.

This chapter is organized in the following sections:

- [“General Attribute Requirements”](#) on page 4
- [“Basic GTIN Attribute Validations and Rules ”](#) on page 5

## General Attribute Requirements

GXS Active Catalogue users must follow general XML standards, including additional processing for selected special characters such as “&” (see [“Special Characters In qXML”](#) on page 115), and qXML rules for creating requests.

### General qXML Rules

General rules for entering data attribute information in qXML documents include the following:

- Data attribute names must appear in all caps.
- Data attribute values for lists stored at GXS (for example, UOMs) must be sent in the exact, case-sensitive format as shown in the appendices and the Acceptable Values column in the attribute tables below.
- Values must be placed inside quotation marks.

EXAMPLE:

VALUE="Coff ee Tray"

If a data attribute does not require a specific value listed in the Acceptable Values column of a table below, any value can be entered that meets other requirements described in the table.

### Attribute Format

The attribute format includes the ATTRIBUTE\_NAME attribute and its VALUE, and sometimes attributes for a unit of measure (UOM), TYPE (in MEDIA attributes), and/or private reference to a retailer (PRIVATE\_ACCOUNT\_ID).

Attribute	Description	Req'd	Data Type	Acceptable Values
ATTRIBUTE_NAME	Name of attribute	Yes	AN	See tables below
VALUE	Value(s) for attribute identified in ATTRIBUTE_NAME; multiple iterations possible	Yes	AN	See tables below
UOM	Unit of measure for the attribute	*	AN	See tables below
TYPE	Attribute used to add information to MEDIA attributes	Yes	AN	See tables below
PRIVATE_ACCOUNT_ID	Specifies retailer to assign VALUE to if the attribute supports private values (e.g., ITEM.UNIT_COST)**	*	N0 12	Retailer Account ID

\*Look up the data attribute in this guide to determine if it requires a UOM, TYPE, or PRIVATE\_ACCOUNT\_ID.

\*\*If the getItemAttributeValues response system attribute PRIVATE\_VALUE\_ALLOWED contains a “Y” value, the data attribute supports private values in addition to one public value. Private values are visible only to the vendor and the specified retailer. See also “Private Values” on page 5.

EXAMPLE:

```
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM COLOR_DESCRPTION"
VALUE=" BLUE" / >
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM CONSUMER_ITEM_WDTH"
VALUE=" 6" UOM=" IN" / >
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM UNIT_COST" VALUE=" 16.25"
UOM=" USD" PRIVATE_ACCOUNT_ID=" 123456789101" / >
```

### Basic GTIN Attribute Validations and Rules

With the exception of Selection Code Description, Product Description, and Product Extended Description, product data attributes are attached to GTINs.

General rules are as follows:

- Use field length, data type, and UOM, if any, as specified in the tables below.
- Date format must be CCYYMMDD or CCYY-MM-DD.

### Private Values

GXS Active Catalogue supports private values for the attribute ITEM.UNIT\_COST. Private values are visible only to the vendor that created the value, and the retailer to which the value is assigned.

To assign private values, use the PRIVATE\_ACCOUNT\_ID attribute in the ATTRIBUTE\_NAME input parameter (see “Attribute Format” on page 5) of the function bulkLoadItemAttributes.

Effective and Expiration dates are associated with a private cost value by list position instead of by PRIVATE\_ACCOUNT\_ID. See also “Attribute Format” on page 5.

EXAMPLE:

```
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM UNIT_COST" VALUE=" 16.25"
UOM=" USD" PRIVATE_ACCOUNT_ID=" 123456789101" />
```

### Multiline Data Attributes

Use the `bulkLoadItemAttributes` function to maintain multiline data attributes.

Most data attributes can contain only one value. Multiline data attributes, however, can contain a list of values (for example, a list of cities from which a GTIN is shipped), or multiple UOM values (for example, a measurement provided in centimeters and inches).

The Description column in the attribute tables below state if an attribute is multiline and, if so, the maximum number of lines (that is, values) permitted. The field length restrictions noted in the tables apply to each line, not the total for all lines.

Values in a multiline attribute are returned in the order they appear in the load request.

Multiline attribute rules include the following:

- When updating or clearing values in a multiline attribute, send the entire revised list, not only the new values or cleared values. The list you send does not modify the existing list, it replaces it.
- To load a multiline attribute, use `bulkLoadItemAttributes` and repeat the `ATTRIBUTE_NAME` input parameter for each attribute loaded. Follow `ATTRIBUTE_NAME` with the required attributes as described above in “[Attribute Format](#)” on page 5.
- The `ATTRIBUTE_NAME` input parameters for a multiline attribute must appear sequentially. Do not interrupt a list by switching to another `ATTRIBUTE_NAME` value and then back to the previous value.

EXAMPLE:

```
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM ORIGIN_COUNTRY"
VALUE=" USA" />
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM ORIGIN_COUNTRY"
VALUE=" AUS" />
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM ORIGIN_COUNTRY"
VALUE=" CHN" />
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM FEATURE_BENEFIT"
VALUE=" Larger than life." />
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM FEATURE_BENEFIT"
VALUE=" Cheaper than dirt." />
<PARAM NAME=" ATTRIBUTE_NAME" ATTRIBUTE_NAME=" ITEM FEATURE_BENEFIT"
VALUE=" Wiser than Solomon." />
```

### Associated Multiline Data Attributes

When multiline data attributes are “associated” they are logically related in GXS Active Catalogue. For example, there are six Ship From data attributes. The name, code, city, state, country, and zip code for each shipping location in the list must be correctly associated if they appear in the catalogue.

General rules and notes for associated multiline data attributes are as follows:

- Follow all rules for multiline data attributes (see above).
- The system associates values by sequence position in the qXML document (for example, the first city attribute with the first state attribute, the second city with the second state, and so on).

- Send the same number of values for each attribute in the association. If an attribute has no value, send it with a null value to ensure that each attribute has the same number of values.

**EXAMPLE:**

Seoul, Korea, has no state or province recognized by GXS Active Catalogue, so enter "" for ITEM.SHIP\_FROM\_STATE to ensure that all city and state values associate correctly:

```
<PARAM NAME=" ATTRI BUTE_NAME" ATTRI BUTE_NAME=" I TEM SHI P_FROM CI TY"
VALUE=" Eur eka" / >
<PARAM NAME=" ATTRI BUTE_NAME" ATTRI BUTE_NAME=" I TEM SHI P_FROM CI TY"
VALUE=" Seoul " / >
<PARAM NAME=" ATTRI BUTE_NAME" ATTRI BUTE_NAME=" I TEM SHI P_FROM CI TY"
VALUE=" Denver " / >
<PARAM NAME=" ATTRI BUTE_NAME" ATTRI BUTE_NAME=" I TEM SHI P_FROM STATE"
VALUE=" CA" / >
<PARAM NAME=" ATTRI BUTE_NAME" ATTRI BUTE_NAME=" I TEM SHI P_FROM STATE"
VALUE=" " / >
<PARAM NAME=" ATTRI BUTE_NAME" ATTRI BUTE_NAME=" I TEM SHI P_FROM STATE"
VALUE=" CO" / >
```

- To clear specific values for an associated multiline data attribute, send updated lists of values for each attribute and include null values in the sequence positions (for example, fourth value in the list) of the values you want to clear.
- To clear all values for an associated multiline data attribute, send the attribute once with a null value. The system will insert null values for each occurrence of the attribute for the specified GTIN.
- If an attribute required by other data attributes has a null value, all of the associated values in the attributes that require it must be null. Thus, sending the required attribute with a null value will clear the associated values, if any.
- If an attribute is required by another attribute (for example, Unit Cost), you must send it with a non-null value in order to load a value for the attribute that requires it (for example, Unit Cost Effective Date).
- Sending a required data attribute with only one value not only replaces all existing values for that attribute, it also clears all values for the associated data attributes.

**Classification Data Attributes**

The data attributes in this category are as follows:

- ITEM.CLASSIFICATION.AGENCY
- ITEM.CLASSIFICATION.LEVEL\_ONE
- ITEM.CLASSIFICATION.LEVEL\_ONE.DESCRPTION
- ITEM.CLASSIFICATION.LEVEL\_ONE.DEFINITION
- ITEM.CLASSIFICATION.LEVEL\_TWO

Rules for Classification attributes include the following:

- Agency and Level One are mandatory for each occurrence.
- The Agency selected will determine the list of available values for Level One and Two; the list will be different for each agency.
- Not all Agencies will support a Level Two value; in this case, no input should be accepted for this attribute.
- Agency must be unique for all occurrences.

- Level One Description and Level One Definition are derived from Level One value.
- A maximum of three (3) total occurrences may exist for this category.

#### **Classification Attributes Data Attributes**

The data attributes in this category are as follows:

- ITEM.CLASSIFICATION.ATTRIBUTE.TYPE
- ITEM.CLASSIFICATION.ATTRIBUTE.TYPE.DESCRPTION
- ITEM.CLASSIFICATION.ATTRIBUTE.TYPE.DEFINITION
- ITEM.CLASSIFICATION.ATTRIBUTE.VALUE
- ITEM.CLASSIFICATION.ATTRIBUTE.VALUE.DESCRPTION

Rules for this category include the following:

- Both Attribute Type and Attribute Value are mandatory for each occurrence.
- Attribute Type Description and Attribute Type Definition are derived from Attribute Type Value.
- Attribute Value Description is derived from the value specified for Attribute Value.
- Attribute Type must be unique for all occurrences.
- A maximum of seven (7) total occurrences may exist for this category.

#### **Dangerous Goods Data Attributes**

The data attributes in this category are as follows:

- ITEM.DANGEROUS\_GOODS.REGULATION\_CODE
- ITEM.DANGEROUS\_GOODS.CLASSIFICATION
- ITEM.DANGEROUS\_GOODS.HAZARD\_ID
- ITEM.DANGEROUS\_GOODS.PACKING\_GROUP
- ITEM.DANGEROUS\_GOODS.SHIPPING\_NAME
- ITEM.DANGEROUS\_GOODS.CHEMICAL\_NAME ITEM.DANGEROUS\_GOODS.UN
- ITEM\_NATIONS\_NUMBER
- ITEM.DANGEROUS\_GOODS.A\_MARGIN\_NUMBER

Rules for this category include the following:

- For each occurrence, ITEM.DANGEROUS\_GOODS.REGULATION\_CODE, ITEM.DANGEROUS\_GOODS.CLASSIFICATION, ITEM.DANGEROUS\_GOODS.HAZARD\_ID, and ITEM.DANGEROUS\_GOODS.SHIPPING\_NAME are required.
- Regulation Code must be unique for all occurrences.
- The attribute ITEM.DANGEROUS\_GOODS is a Y/N flag that is not part of this category; but its value should be derived as “Y” if there is at least one occurrence of values for this category.
- A maximum of five (5) total occurrences may exist for this category.

**Hazardous Materials Data Attributes**

The data attributes in this category are as follows:

- ITEM.HAZ\_MAT\_CLASS\_CODE
- ITEM.HAZ\_MAT\_MATERIALS\_DESCRIPTION

Rules for this category include the following:

- Both Code and Description are mandatory for each occurrence.
- Code must be unique for all occurrences.
- A maximum of five (5) total occurrences may exist for this category.

**MSRP Data Attributes**

Manufacturer's Suggested Retail Price and associated data attributes can support up to 100 lines each. The data attributes in this category are as follows:

- ITEM.MSRP per currency (UOM)
- ITEM.MSRP.EFFECTIVE\_DATE
- ITEM.MSRP.EXPIRATION\_DATE

Rules for this category include the following:

- Effective Date and Expiration Date require a non-null MSRP.
- Follow the same rules as for Unit Cost (see above) regarding MSRP and associated dates. Private values do not apply to MSRP.

**Pharmaceutical Data Attributes**

Pharmaceutical data attributes support up to 10 sets of ingredients, each with a name, purpose, and quantity, which are the associated attributes that follow:

**Note:** If any of the following are used, all three are required. If any is null, all must be null.

- ITEM.PHARMACEUTICAL.ACTIVE\_INGREDIENT.NAME
- ITEM.PHARMACEUTICAL.ACTIVE\_INGREDIENT.PURPOSE
- ITEM.PHARMACEUTICAL.ACTIVE\_INGREDIENT.QUANTITY

**Ship From Data Attributes**

Ship From data attributes are associated and support up to 15 lines (that is, values) each. The data attributes in this category are as follows:

- ITEM.SHIP\_FROM.NAME
- ITEM.SHIP\_FROM.CODE
- ITEM.SHIP\_FROM.CITY
- ITEM.SHIP\_FROM.STATE\_PROVINCE
- ITEM.SHIP\_FROM.ZIP\_POSTAL\_CODE
- ITEM.SHIP\_FROM.COUNTRY

Rules for this category include the following:

- Each set of Ship From attribute values must be unique for a GTIN.

- Ship From Code values cannot be duplicated in a GTIN.
- Ship From State/Province requires Ship From City, but not vice-versa.

### **Target Market Data Attributes**

The data attributes in this category are as follows:

- ITEM.TARGET\_MARKET.COUNTRY
- ITEM.TARGET\_MARKET.COUNTRY.DESCRPTION
- ITEM.TARGET\_MARKET.SUBDIVISION

Rules for this category include the following:

- Target Market Country is mandatory for each occurrence.
- Target Market Country Description is derived from TM Country.
- TM Country, when provided without Subdivision, must be unique for all occurrences.
- Multiple TM Subdivisions may exist for a single TM Country.
- Country code specified in the first 3 positions of the TM Subdivision must be the same as that specified for TM Country.
- The TM Country-Subdivision combination must be unique for all occurrences (cannot duplicate the combination).
- TM Country value will be stored for each TM Subdivision value (even if repeated), in order to maintain proper sequence association.
- A maximum of fifteen (15) total occurrences may exist for this category.

### **Tax Data Attributes**

The data attributes in this category are as follows:

- ITEM.TAX.AGENCY
- ITEM.TAX.TYPE
- ITEM.TAX.TYPE.DESCRPTION
- ITEM.TAX.RATE
- ITEM.TAX.AMOUNT

Rules for this category include the following:

- Agency and Type are mandatory for each occurrence.
- One of either Rate or Amount is mandatory for each occurrence.
- Both Rate AND Amount are not allowed in a single occurrence.
- Some occurrences may have Rate and others may have Amount; it is not required that all occurrences use the same attribute.
- Tax Type Description is derived from Type.
- The combination of Agency and Type must be unique for all occurrences (cannot duplicate the combination).
- A maximum of five (5) total occurrences may exist for this category.

**Unit Cost Data Attributes**

Unit Cost and associated date attributes can support private values and up to 100 lines (that is, values) each. The data attributes in this category are as follows:

- ITEM.UNIT\_COST per currency (UOM)
- ITEM.UNIT\_COST.EFFECTIVE\_DATE
- ITEM.UNIT\_COST.EXPIRATION\_DATE

Rules for this category include the following:

- Effective Date and Expiration Date require a non-null Unit Cost.
- Multiple public Unit Cost value/currency pairs are allowed per GTIN only if their active dates (determined by Unit Cost Effective Date and Unit Cost Expiration Date) do not overlap.
- Multiple private Unit Cost value/currency pairs for the same retailer are allowed per GTIN only if their active dates (determined by Unit Cost Effective Date and Unit Cost Expiration Date) do not overlap.
- If provided, Expiration Date must follow Effective Date.
- When assigning values to a retailer, use PRIVATE\_ACCOUNT\_ID only for Unit Cost. Associated values for Unit Cost Effective Date and Unit Cost Expiration Date are matched up with the correct Unit Cost by list position (for example, the second Effective Date is associated with the second Unit Cost).

**Note:** In a response or export, however, PRIVATE\_ACCOUNT\_ID does appears with Effective Date and Expiration Date.

If you do not have a Date for a Unit Cost in a list, to ensure correct associations of costs and dates in the list, send the attribute with a blank value:

**EXAMPLE:**

The Unit Cost for the GTIN is \$17.20 for the public Unit Cost, with Effective and Expiration Dates May 9, 2002, and October 9, 2002, respectively. The first private Unit Cost is \$15.20 for Retailer Account ID 123412341234, with Effective and Expiration Dates May 1, 2002, and October 1, 2002, respectively. The second private Unit Cost is \$16.20 for Retailer Account ID 999988887777, with no dates provided.

**Note:** Data must appear in the same sequence for each attribute so it matches up correctly in the database (i.e., unit cost is associated with correct effective and expiration dates).

```
<PARAM NAME=" ATTRI BUTE_NAME" ATTRI BUTE_NAME=" I TEM UNI T_COST" VALUE=" 17. 20"
UOM=" USD" />
<PARAM NAME=" ATTRI BUTE_NAME" ATTRI BUTE_NAME=" I TEM UNI T_COST" VALUE=" 15. 20"
UOM=" USD" PRI VATE_ACCOUNT_ID=" 123412341234" />
<PARAM NAME=" ATTRI BUTE_NAME" ATTRI BUTE_NAME=" I TEM UNI T_COST" VALUE=" 16. 20"
UOM=" USD" PRI VATE_ACCOUNT_ID=" 999988887777" />
<PARAM NAME=" ATTRI BUTE_NAME"
ATTRI BUTE_NAME=" I TEM UNI T_COST. EFFECTI VE_DATE" VALUE=" 2002- 05- 09" />
<PARAM NAME=" ATTRI BUTE_NAME"
ATTRI BUTE_NAME=" I TEM UNI T_COST. EFFECTI VE_DATE" VALUE=" 2002- 05- 01" />
<PARAM NAME=" ATTRI BUTE_NAME"
ATTRI BUTE_NAME=" I TEM UNI T_COST. EFFECTI VE_DATE" VALUE=" " />
<PARAM NAME=" ATTRI BUTE_NAME"
ATTRI BUTE_NAME=" I TEM UNI T_COST. EXPI RATI ON_DATE" VALUE=" 2002- 10- 09" />
<PARAM NAME=" ATTRI BUTE_NAME"
ATTRI BUTE_NAME=" I TEM UNI T_COST. EXPI RATI ON_DATE" VALUE=" 2002- 10- 01" />
```



```
<PARAM NAME="ATTRIBUTE_NAME"  
ATTRIBUTE_NAME="ITEM UNIT_COST_EXPIRATION_DATE" VALUE="" />
```

### Derived Attributes

Derived attributes are attributes that are derived by the system, based on the existence of a value for another attribute. You do not need to maintain derived attributes; the system automatically generates a new value if there is a change to the value of the attribute it depends on.

This chapter explains how to use the attribute tables in this chapter, data type requirements, and lists all data attributes with descriptions, format requirements, and acceptable values, if any. The beginning of each data attribute section describes the category of attributes and access rights for that category.

This chapter is organized in the following sections:

- [“Using the Attribute Tables”](#) on page 14
- [“Data Type Requirements”](#) on page 15
- [“Account and Contact Attributes”](#) on page 17
- [“Catalogue Organization - Selection Code and Product Attributes”](#) on page 18
- [“Selection Code Description, Product Description, and Product Extended Description”](#) on page 18
- [“GTIN Attributes”](#) on page 19
- [“Item Number and Item Number Type Parameters”](#) on page 19
- [“Component Attributes”](#) on page 20
- [“GDSN Attributes”](#) on page 20
- [“Logistics Attributes”](#) on page 31
- [“Retail Attributes”](#) on page 41
- [“Pharmaceutical Attributes”](#) on page 51
- [“Nutrition and Nutritional Supplements Attributes”](#) on page 53
- [“Pet Food Attributes”](#) on page 72
- [“Media Attributes”](#) on page 73
- [“System-Generated Attributes”](#) on page 77

## Using the Attribute Tables

The tables in each section provide the information about each data attribute. If a column is not present in a table, it is not applicable to that attribute group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.CONSUMER_ITEM_WEIGHT	R 1/8,3	VALUE	Net weight of consumer item, unpackaged; must be less than ITEM.CONSUMER_PACKAGING_WEIGHT	
	AN 2/2	UOM	Code for weight unit of measure; UOM must be the same as UOM for ITEM.CONSUMER_PACKAGING_WEIGHT when both attributes are provided	See <i>Appendix A</i>

The table column headers are as follows:

- **Attribute Name.** Specifies the qXML attribute name. Note that in the qXML request, NAME="ATTRIBUTE\_NAME" indicates that what follows will be data attribute information, and ATTRIBUTE\_NAME="ITEM.CONSUMER\_ITEM\_HEIGHT" identifies the data attribute.

```
<PARAM NAME="ATTRIBUTE_NAME" ATTRIBUTE_NAME="ITEM.CONSUMER_ITEM_HEIGHT"
VALUE="12.5" UOM="IN" />
```

In the qXML response or export document, it appears as follows:

```
<ATTRIBUTE_NAME="ITEM.CONSUMER_ITEM_HEIGHT" VALUE="12.5" UOM="IN"
CREATED="2002-10-17 14:37:56" UPDATED="2003-04-18 21:37:54"
DISPLAY="Consumer Item Height" ATTR_GROUP_ID="116" />
```

- **Data Type.** The type of data and the minimum and maximum field lengths permitted. See “[Data Type Requirements](#)” on page 15.)
- **Attribute Value.** Use VALUE with each ATTRIBUTE\_NAME instance to enter the data for the specified data attribute (in the example above). Some data attributes also contain UOM, TYPE, or PRIVATE\_ACCOUNT\_ID attribute. See “[Attribute Format](#)” on page 5.
- **Description.** Text description of the attribute and, when applicable, its UOM.
- **Acceptable Values.** Other restrictions on values permitted for the VALUE input. Acceptable Values instructions can include the following:
  - Blank—No additional restriction on the data attribute value. Enter a value that fits the Data Type requirements.
  - List or Description of Values—Enter only a value in the list. Do not enter italicized descriptions.

#### EXAMPLES:

IN (inch). Enter “IN”.

Account ID. Enter a valid GXS Account ID.

- Reference—Italicized instruction to consult an appendix of codes at the end of this guide.

**EXAMPLE:**

*See Appendix B.* Go to Appendix B and select a code to use as the value.

## Data Type Requirements

There are two parts to data type requirements: field length and character type. They appear in the Data Type column in the tables below.

### Field Length

The minimum and maximum field lengths permitted for the attribute value are separated by a slash in the tables.

**EXAMPLES:**

1/17 means the entry must be at least one character but no more than 17 characters. 2/2 means the entry must be exactly two characters (minimum and maximum of 2).

Field length requirements do not include decimal points or (-) indicators. Use leading zeroes only to satisfy a minimum length requirement.

**Note:** Field length requirements in many cases are based on EDI X12 standards to ensure accurate and complete translation to EDI document format.

## Character Type

The following are the possible character types to use with the VALUE input:

- **Date.** Two date formats are acceptable: CCYYMMDD and CCYY-MM-DD format. CCYY indicates the full year, MM the month (01-12), and DD the date (01-31).

**Note:** Response documents may show dates in a different format.

- **AN.** Alphanumeric. A sequence of any printable characters containing at least one character.
- **N0.** A number that cannot contain a decimal point. Do not use commas to separate triads of numbers, such as 10000. For negative values, use the leading (-) sign.

**EXAMPLE:**

NRF Color Code.

- **R.** A number that can contain a decimal point. The maximum number of digits to the right of the decimal appears after the comma (for example, 1/8,4 indicates that four digits are allowed to the right of the decimal point). If the value is a whole number and does not require a decimal point, do not place a decimal point at the end, even if its character type is R. Do not use commas or decimals to separate triads of numbers, such as 10000. Do not use special characters to indicate currency or measurements.

**EXAMPLE:**

Send one foot as "1". Send one-and-one-eighth inches as "1.125".

Send \$15.95 as "15.95".

Send \$29.00 as "29".

**Note:** A Data Type that includes two character types separated by a slash indicates that either character type is acceptable.

**EXAMPLE:**

AN/N0.

### Decimal Number Restrictions for UCS EDI Users

UCS (Uniform Communication Standard) EDI, the consumer packaged goods (CPG) subset of EDI X12, restricts the number of places to the right of a decimal for certain attributes.

UCS EDI restrictions apply to attributes associated with the following measurements:

- **Length**—2 places allowed to right of decimal
- **Width**—2 places allowed to right of decimal
- **Height**—2 places allowed to right of decimal
- **Volume**—3 places allowed to right of decimal
- **Size**—3 places allowed to right of decimal
- **Pack**—0 (that is, must be a whole number)
- **Weight**—3 places allowed to right of decimal

For example, if a customer using UCS EDI standards exports product measurement attributes that contain more decimal places than permitted by UCS EDI, the data will be truncated according to the values listed above.

## Account and Contact Attributes

The table below lists details for account and contact data attributes. GXS Active Catalogue supports up to four contacts per company.

Account users can update their own account and contact attributes and retrieve those of their trading partners. Load account attributes in the bulkLoadAccountAttributes qXML function.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ACCOUNT_LONG_NAME	AN 1/25	VALUE	Name of vendor company; do not send (outbound only)	
ACCOUNT.CURRENCY	AN 3/3	VALUE	Account's preferred currency; default value for all GTIN-level prices unless provided on a per-GTIN basis; USD is default if this attribute not populated	See Appendix D
ACCOUNT.COMPANY.ADDRESS_1	AN 1/55	VALUE	Company street address	
ACCOUNT.COMPANY.ADDRESS_2	AN 1/55	VALUE	Company address (e.g., suite number, PO Box)	
ACCOUNT.COMPANY.CITY	AN 1/30	VALUE	Company city	
ACCOUNT.COMPANY.STATE_PROVINCE	AN 2/2	VALUE	Company U.S. state or Canadian province	See Appendix C
ACCOUNT.COMPANY.ZIP_POSTAL_CODE	AN 5/15	VALUE	Company zip or postal code	
ACCOUNT.COMPANY.COUNTRY	AN 3/3	VALUE	Company country	See Appendix C
ACCOUNT.COMPANY.PHONE	N0 1/20	VALUE	Company telephone number	
ACCOUNT.COMPANY.FAX	N0 1/20	VALUE	Company fax number	
ACCOUNT.COMPANY.EMAIL	AN 1/40	VALUE	Company e-mail address	
ACCOUNT.COMPANY.URL	AN 1/80	VALUE	Company website URL	
ACCOUNT.CONTACT.PRIMARY.NAME	AN 1/60	VALUE	Name of primary contact	
ACCOUNT.CONTACT.PRIMARY.PHONE	N0 1/20	VALUE	Phone of primary contact	
ACCOUNT.CONTACT.PRIMARY.FAX	N0 1/20	VALUE	Fax number of primary contact	
ACCOUNT.CONTACT.PRIMARY.EMAIL	AN 1/40	VALUE	E-mail address of primary contact	
ACCOUNT.CONTACT.SECONDARY.NAME	AN 1/60	VALUE	Name of secondary contact	
ACCOUNT.CONTACT.SECONDARY.PHONE	N0 1/20	VALUE	Phone of secondary contact	
ACCOUNT.CONTACT.SECONDARY.FAX	N0 1/20	VALUE	Fax number of secondary contact	
ACCOUNT.CONTACT.SECONDARY.EMAIL	AN 1/40	VALUE	E-mail address of secondary contact	
ACCOUNT.CONTACT.BACKUP.NAME	AN 1/60	VALUE	Name of backup contact	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ACCOUNT.CONTACT.BACKUPPHONE	N0 1/20	VALUE	Phone of backup contact	
ACCOUNT.CONTACT.BACKUPFAX	N0 1/20	VALUE	Fax number of backup contact	
ACCOUNT.CONTACT.BACKUPEMAIL	AN 1/40	VALUE	E-mail address of backup contact	
ACCOUNT.GLN	N0 13/13	VALUE	Indicates the account's corporate Global Location Number (GLN)	

## Catalogue Organization - Selection Code and Product Attributes

GXS Active Catalogue organizes product information in a two-level system:

- **Selection Codes**—Selection Codes define broad categories of items. Each Selection Code is a three-digit number that can contain any number of Products.
- **Products**—A Product is a grouping of items that have the same shape, material, function, vendor style or part number, or other characteristics *except* size or color. A Product identifier is a value up to 20 digits or upper-case characters. A Product can contain any number of items, which are identified by GTINs.

EXAMPLE:

Selection Code 101, Mens Clothing, contains multiple Products, among which is Shoes. The vendor's men's shoes GTINs are organized under the Shoes product.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
SELCODE	N0 3/3	VALUE	Selection Code	<i>Unique Selection Code identifier</i>
PRODUCT	AN 1/20	VALUE	Product identifier. Sometimes referred to as a vendor's SKU, style number, or model number; Product description required - we recommend that it be unique (that is, do not use the same description more than once). <b>Note:</b> Product identifiers are stored and exported in upper case, even if you load the product in lower or mixed case.	<i>Unique Product identifier. (Products are stored in uppercase; therefore, they cannot be differentiated by varying case) No leading spaces. The following characters are not allowed &gt; ^ ` [ ] * ~ ! @ # \$ % &amp; * ( ) _  </i>

## Selection Code Description, Product Description, and Product Extended Description

Vendors use the ATTRIBUTE\_NAME parameter of the bulkLoadHierarchyAttributes qXML function to maintain Selection Code Description, Product Description, and Product Extended Description. Use the following data attributes:

- HIERARCHY.NODE\_DESCRIPTION (Selection Code Description)
- HIERARCHY.PRODUCT\_DESCRIPTION
- HIERARCHY.PRODUCT\_DESCRIPTION.EXTENDED

In export documents, Selection Code Description, Product Description, and Product Extended Description. appear as the following data attributes:

- HIERARCHY.NODE\_DESCRIPTION (Selection Code Description)
- HIERARCHY.PRODUCT\_DESCRIPTION
- HIERARCHY.PRODUCT\_DESCRIPTION.EXTENDED

In qXML responses for some functions, Selection Code Description and Product Description appear in the following attributes:

- SEL\_CODE\_DESC
- PRODUCT\_DESC

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
HIERARCHY.NODE_DESCRIPTION	AN 1/25	VALUE	Text description of Selection Code node	
HIERARCHY.PRODUCT_DESCRIPTION	AN 1/25	VALUE	Text description of Product node; must be unique across all products; required when adding a Product.	<i>The following characters are not allowed &gt; ^ ` [ ] * ~</i>
HIERARCHY.PRODUCT_DESCRIPTION.EXTENDED	AN 1/40	VALUE	Extended text description of Product	

## GTIN Attributes

GTIN attributes are those attributes which contain GTIN (item) information. Vendors can maintain GTIN attributes for their own catalogues. Retailers can retrieve GTIN attributes from catalogues to which they have access.

Vendors maintain GTIN attributes in the bulkLoadItemAttributes qXML function.

## Item Number and Item Number Type Parameters

ITEM\_NUMBER and ITEM\_NUMBER\_TYPE are qXML parameters that may be validated by compliance checks. For detailed information about these parameters, see the GXS Active



Catalogue qXML Reference Guide. For details about compliance checks, see [Chapter 3 "Compliance Checks,"](#) on page 80.

Parameter	Data Type	Description	Req'd	Acceptable Values
ITEM_NUMBER	AN 18	Number identifying the GTIN to be added or updated <b>Compliance Check</b> - Restrictions may be applied by the following compliance checks: <ul style="list-style-type: none"> <li>■ Item Maintenance Compatibility</li> <li>■ Prefix Validation (mandatory for vendors)</li> </ul> See <a href="#">Chapter 3 "Compliance Checks,"</a> on page 80.	Yes	Unique GTIN identifier
ITEM_NUMBER_TYPE	AN 2/2	Code specifying type of GTIN to be added or updated <b>Compliance Check</b> - Restrictions may be applied by the following compliance checks: <ul style="list-style-type: none"> <li>■ Item Maintenance Compatibility</li> <li>■ Prefix Validation (mandatory for vendors)</li> </ul> See <a href="#">Chapter 3 "Compliance Checks,"</a> on page 80.	Yes	See the GXS Active Catalogue qXML Reference Guide

## Component Attributes

See the GXS Active Catalogue qXML Reference Guide for details about using component attributes.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.COMPONENT.ITEM_NUMBER	AN 1/14	VALUE	GTIN of the item that is a component of the current item	
ITEM.COMPONENT.QUANTITY	AN 1/5	VALUE	Quantity of the component GTIN contained in the current item	
	AN 2/2	UOM	Code for quantity must always be EA	EA

## GDSN Attributes

The following attribute groups organize the GDSN-related attributes:

- “GDSN” on page 21
- “GDSN Optional” on page 24

**GDSN**

The following attributes are in the GDSN Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.EFFECTIVE_DATE_OF_CHANGE	Date	VALUE	Date GTIN changes become effective	
ITEM.LONG_DESCRIPTION	AN 1/80	VALUE	Longer more robust description than GTIN Description; use to spell out abbreviations in the primary Description, provide additional detail, and/or fully describe product; not an “add-on” to Description	
ITEM.REGISTER_DESCRIPTION	AN 1/20	VALUE	GTIN description for cash register display	
ITEM.NOT_FOR_RESALE	AN 1/1		Flag indicates whether or not this trade item is not for resale.	Y (yes) N (no)
ITEM.UNIT_INDICATOR_BASE	AN 1/1	VALUE	Flag indicates whether or not GTIN is the lowest level GTIN in the packaging hierarchy	Y (yes) N (no)
ITEM.UNIT_INDICATOR.CONSUMER	AN 1/1	VALUE	Flag indicates whether or not GTIN is for ultimate consumption; GTIN would probably be scanned at Point of Sale (POS)	Y (yes) N (no)
ITEM.UNIT_INDICATOR.DESPATCH	AN 1/1	VALUE	Flag indicates whether or not GTIN is a shippable unit	Y (yes) N (no)
ITEM.UNIT_INDICATOR.INVOICE	AN 1/1	VALUE	Flag indicates whether or not GTIN is included on Flag indicates whether or not GTIN is on invoices	Y (yes) N (no)
ITEM.UNIT_INDICATOR.ORDERABLE	AN 1/1	VALUE	Flag indicates whether or not GTIN is accepted for orders	Y (yes) N (no)
ITEM.UNIT_INDICATOR.VARIABLE	AN 1/1	VALUE	Flag indicates that GTIN is not a fixed quantity, but may vary, for example, by weight, length, or volume; such GTINS are traded in continuous, rather than discrete, quantities	Y (yes) N (no)
ITEM.TRADE_NAME.SUB_BRAND	AN 1/35		Second level of trade name/brand name; can be a trademark	
ITEM.BATCH_NUMBER	AN 1/1	VALUE	Flag indicates whether the GTIN is marked with a batch or lot number by the manufacturer	Y (yes) N (no)
ITEM.INFORMATION_PROVIDER.GLN	N0 13/13	VALUE	GLN that identifies the information owner; for example, distributor, broker, or manufacturer; generally, the corporate GLN of the vendor, but may represent the division or other enterprise within the vendor’s enterprise; requires ITEM.INFORMATION_PROVIDER.NAME	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.INFORMATION_PROVIDER.NAME	AN 1/35	VALUE	Name of the entity corresponding to the information provider's GLN; requires ITEM.INFORMATION_PROVIDER.GLN	
ITEM.BRAND_OWNER.GLN	N0 13/13	VALUE	GLN that identifies the brand owner of the item; requires ITEM.BRAND_OWNER.NAME	
ITEM.BRAND_OWNER.NAME	AN 1/35	VALUE	Name of the entity corresponding to the brand owner's GLN; requires ITEM.BRAND_OWNER.GLN	
ITEM.RECYCLABLE.GREEN_DOT	AN 1/1	VALUE	Flag indicates packaging is or is not marked with the Green Point Indicator; applies to products sold in Europe	Y (yes) N (no)
ITEM.RETURN_UN SOLD_ITEM	AN 1/1	VALUE	Flag indicates whether the buyer can return trade items that are not sold	Y (yes) N (no)
ITEM.COUPON.FAMILY_CODE	N0 3/3	VALUE	Code assigned by the vendor to a single trade item or to families of consumer trade items that can be used by in-store scanners in conjunction with a coupon value code for discount when the proper trade item has been purchased	
ITEM.USAGE_DESCRIPTION	AN 1/80	VALUE	Instructions to prepare or store a food item	
ITEM.GENETICALLY_MODIFIED	AN 1/1	VALUE	Flag indicates whether or not the trade item contains genetically modified contents	Y (yes) N (no)
ITEM.TARGET_MARKET.COUNTRY	AN 3/3	VALUE	Country where GTIN will be sold; ISO 3166-1 3 digit country code; multiline	See Appendix C
ITEM.TARGET_MARKET.COUNTRY.DESCRPTION			Description of the target market; multiline Derived from the description associated with Target Market value in List.	
ITEM.TARGET_MARKET.SUBDIVISION	AN 5/7	VALUE	Per ISO 3166-2, contains a 3-digit ISO 3166-1 country code, separator (-), and subdivision code of up to 3 alphanumeric characters (refer to ISO 3166-2 for a list of subdivision codes); multiline	See Appendix C
ITEM.CLASSIFICATION.AGENCY	AN 1/13	VALUE	Agency or owner of the classification system associated with the values provided in the levels below; multiline	GPC UDEX

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.CLASSIFICATION.LEVEL_ONE	AN 1/45	VALUE	Top level of catalogue organization structure associated with Agency. Click <b>Look Up</b> hyperlink in UI to see acceptable values.	<i>available value based on Agency</i>
ITEM.CLASSIFICATION.LEVEL_ONE.DESCRPTION			System generated based on description associated with level one value in list; multiline	
ITEM.CLASSIFICATION.LEVEL_TWO	AN 1/45	VALUE	Second level of catalogue organization structure associated with Agency. Click <b>Look Up</b> hyperlink in UI to see acceptable values.	<i>available value based on Level One value</i>
ITEM.CLASSIFICATION.ATTRIBUTE.TYPE	N0 8/8	VALUE	Identifies an attribute attached to a particular EAN.UCC classification. Classification is specified using the Agency and Level 1 attributes. Up to seven attributes may be supplied to further clarify the EAN.UCC classification; multiline. Requires ITEM.CLASSIFICATION.ATTRIBUTE.VALUE	<i>See the acceptable list of EAN.UCC classifications</i>
ITEM.CLASSIFICATION.ATTRIBUTE.VALUE	N0 8/8	Value	Identifies the value for the attribute specified in the Classification Attribute Type; multiline. Requires ITEM.CLASSIFICATION.ATTRIBUTE.TYPE	<i>See the acceptable list of EAN.UCC classifications</i>
ITEM.BARCODE			Flag indicates there is a barcode visible on the packaging  Derived as Y based on the existence of one or more values for ITEM.BARCODE.SYMBOLGY_TYPE.	
ITEM.BARCODE.SYMBOLGY_TYPE	AN 1/35	VALUE	The type of barcode visible on the GTIN or its packaging; multiline	<i>See Appendix E</i>
ITEM.CONSUMER_PACKAGE.CONTENT_DECLARATION	AN 1/1	VALUE	If a consumer item's net content (size) is not marked on the packaging, this value should be set to Y, indicating the net content declaration will be at the trade unit (masterpack/case) level	Y (yes) N (no)
ITEM.CONSUMER_PACKAGING_TYPE	AN 3/3	VALUE	Code for package type, such as box	<i>See Appendix B</i>
ITEM.CONSUMER_PACKAGING.TYPE.DESCRPTION			Description of type of consumer packaging  Derived from the description associated with Packaging Type Code value specified for ITEM.CONSUMER_PACKAGING_TYPE.	
ITEM.CONSUMER_PACKAGING_MATERIAL	AN 2/2	VALUE	ANSI ASC X12 code for consumer packaging material, such as glass, metal, or plastic	<i>See Appendix B</i>

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.CONSUMER_PACKAGING_MATERIAL_DESCRIPTION			Description of consumer packaging material Derived from the description associated with Packaging Material Code value specified for ITEM.CONSUMER_PACKAGING_MATERIAL.	
ITEM.CONSUMER_PACKAGING_MATERIAL_QUANTITY	R 1/8,3	VALUE	The quantity of the consumer packaging material; can be expressed in weight, volume, quantity, etc.	
	AN 2/2	UOM	Code for unit of measure	See Appendix A
ITEM.CONSUMER_PACKAGE_PEG				
ITEM.CONSUMER_PACKAGE_PEG_HORIZONTAL	R 1/7,4	VALUE	Horizontal distance from the side edge of the consumer item to the center of the hole into which peg is inserted for display; requires ITEM.CONSUMER_PACKAGE_PEG_VERTICAL	
	AN 2/2	UOM	Code for length UOM	See Appendix A
ITEM.CONSUMER_PACKAGE_PEG_VERTICAL	R 1/7,4	VALUE	Vertical distance from the top edge of the consumer item to the center of the hole into which peg is inserted for display; requires ITEM.CONSUMER_PACKAGE_PEG_HORIZONTAL	
	AN 2/2	UOM	Code for length UOM	See Appendix A
ITEM.PACKAGING_RETURNABLE	AN 1/1	VALUE	Flag indicates whether or not the consumer item packaging is returnable	Y (yes) N (no)

### GDSN Optional

The following attributes are in the GDSN Optional Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.PRIVATE			Indicates whether or not the trade item is restricted to one or more specific trading partners Derived as Y based on existence of one or more values for ITEM.PRIVATE_TRADING_PARTNER	
ITEM.PRIVATE_TRADING_PARTNER	N0 13/13	VALUE	GLN identifying the trading partner allowed to have access to the trade item information; multiline	
ITEM.PUBLICATION_DATE	Date	VALUE	Date GTIN becomes available for viewing and synchronization	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.SHELF_LIFE	N0 1/4	VALUE	Shelf life in days	
	AN 2/2	UOM	Unit of measure	DA (calendar days) DW (work days) blank
ITEM.TAX.AGENCY	AN 3/3	VALUE	Identifies the agency responsible for the tax code list; requires ITEM.TAX.TYPE; multiline	
ITEM.TAX.TYPE	AN 2/2	VALUE	Identifies the type of duty, tax, or fee that applies to the trade item; requires ITEM.TAX.AGENCY; multiline	
ITEM.TAX.RATE	R 1/5,2	VALUE	Current tax, duty, or fee rate percentage that applies to the trade item. For each occurrence of ITEM.TAX.AGENCY and ITEM.TAX.TYPE, either ITEM.TAX.RATE or ITEM.TAX.AMOUNT is required (both cannot be specified); multiline	
	AN 1/1	UOM	Unit of measure	%
ITEM.TAX.AMOUNT	R 1/17,4	VALUE	Current tax, duty, or fee amount that applies to the trade item. For each occurrence of ITEM.TAX.AGENCY and ITEM.TAX.TYPE, either ITEM.TAX.RATE or ITEM.TAX.AMOUNT is required (both cannot be specified); multiline	
	AN 3/3	UOM	Code for currency; required	See Appendix D
ITEM.DESCRPTION.INVOICE	AN 1/35		Vendor-assigned trade item description designed to match item/service description that appears on invoices.	
ITEM.SET_PIECES	N0 1/19	VALUE	Number of products in a grouping sold together as a single item (e.g.: set of flatware, cosmetics))	
ITEM.VENDOR_COLLECTION	AN 1/60	VALUE	Collection name assigned to GTIN or a group of items; usually related to the way GTINs are presented in groups to a retailer	
ITEM.MODEL_NUMBER	AN 1/25	VALUE	Model name or number for item	
ITEM.REPLACED_ITEM_NUMBER	N0 14/14	VALUE	GTIN of the item that is being replaced by the current item	
	AN 2/2	UOM	Code for classification.	EN (EAN/UCC-13) EO (EAN/UCC-8) UA (UPC/EAN Case Code) UK (EAN/UCC-14) UP (UCC-12)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.MANUFACTURER_URL	AN 1/80	VALUE	Manufacturer's Internet URL for use with the GTIN	
ITEM.CARE_INFORMATION.URL	AN 1/80	VALUE	URL for information regarding care required for trade item	
ITEM.CARE_INSTRUCTIONS	AN 1/4000	VALUE	Instructions regarding the care of the item	
ITEM.RECYCLABLE.PACKAGING			Flag indicates packaging is or is not recyclable; can be specified at any level of packaging  Derived as Y based on the existence of value for either ITEM.RECYCLE_TYPE or ITEM.RECYCLE_DESCRIPTION.	
ITEM.RECYCLABLE.ITEM	AN 1/1	VALUE	Flag indicates physical trade item is or is not recyclable; only applies to the consumer unit	Y (yes) N (no)
ITEM.RECYCLE_TYPE	N0 1/1	VALUE	Numeric indicator specifies type of recyclable plastic used in product packaging	See Appendix E
ITEM.RECYCLE_DESCRIPTION	AN 1/40	VALUE	Text specifies part of product or packaging is recyclable	
ITEM.RETURN_POLICY	AN 3/3	VALUE	Code indicates the destroy or return policy for damaged, defective, or non-salable trade items	DFC ( <i>Destroy for Credit</i> ) RFC ( <i>Return for Credit</i> ) HFI ( <i>Hold for Inspection</i> ) blank
ITEM.FINISH_DESCRIPTION	AN 1/40	VALUE	Description of GTIN finish; generally used for metallic finishes such as brass, nickel, chrome, etc.; may or may not be used in combination with color description	
ITEM.PRODUCT_FORM	AN 1/35	VALUE	The physical form or shape of the item; is specific to the item itself and does not refer to packaging	
ITEM.SCENTS_FLAVORS	AN 1/25	VALUE	Scent or flavor of product	
ITEM.ORDER_SIZING_FACTOR	R 1/9,4	VALUE	GTIN specification other than weight or cubic feet for order sizing and pricing purposes	
	AN 2/2	UOM	Unit of measure	See Appendix A
ITEM.TRANSPORT_HANDLING_CODE	AN 2/3	VALUE	Code specifies transportation handling instructions; multiline	See Appendix E

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.TEMPERATURE.TRANSPORT.DISTRIBUTION.MINIMUM	R I/8,3	VALUE	Minimum temperature permitted for the item during transport to the distribution center.	
	AN I/I	UOM	Code for temperature	CE (Centigrade, Celsius) FA (Fahrenheit)
ITEM.TEMPERATURE.TRANSPORT.DISTRIBUTION.MAXIMUM	R I/8,3	VALUE	Maximum temperature permitted for the item during transport to the distribution center.  When ITEM.TEMPERATURE.TRANSPORT.DISTRIBUTION.MAXIMUM is specified, ITEM.TEMPERATURE.TRANSPORT.DISTRIBUTION.MINIMUM is required.	
	AN I/I	UOM	Code for temperature	CE (Centigrade, Celsius) FA (Fahrenheit)
ITEM.TEMPERATURE.TRANSPORT.MARKET.MINIMUM	R I/8,3	VALUE	Minimum temperature of the consumer item permitted during delivery to market	
	AN I/I	UOM	Code for temperature	CE (Centigrade, Celsius) FA (Fahrenheit)
ITEM.TEMPERATURE.TRANSPORT.MARKET.MAXIMUM	R I/8,3	VALUE	Maximum temperature of the consumer item permitted during delivery to market	
	AN I/I	UOM	Code for temperature	CE (Centigrade, Celsius) FA (Fahrenheit)
ITEM.TEMPERATURE.STORAGE.MINIMUM	R I/8,3	VALUE	Minimum temperature at which the consumer item can be stored	
	AN I/I	UOM	Code for temperature	CE (Centigrade, Celsius) FA (Fahrenheit)
ITEM.TEMPERATURE.STORAGE.MAXIMUM	R I/8,3	VALUE	Maximum temperature at which the consumer item can be stored	
	AN I/I	UOM	Code for temperature	CE (Centigrade, Celsius) FA (Fahrenheit)
ITEM.MSDS			Flag indicates if Manufacturer's Material Safety Data Sheet (MSDS) exists  Derived as Y based on the existence of value for ITEM.MSDS_NUMBER.	
ITEM.MSDS_NUMBER	AN I/20	VALUE	Manufacturer's Material Safety Data Sheet number	



Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.MSDS.URL	AN 1/80	VALUE	Uniform Resource Locator (URL) that indicates where the MSDS information for the consumer trade item can be found on the Internet	
ITEM.RECALL	AN 1/1	VALUE	Flag indicates whether or not the trade item has been recalled by the manufacturer	Y (yes) N (no)
ITEM.COMMODITY_HARMONIZED_TARIFF_SCHEDULE	N0 1/10	VALUE	Harmonized Tariff Schedule For more information on tariffs and the United States International Trade Commission, go to: <a href="http://www.usitc.gov/tariff_affairs/">http://www.usitc.gov/tariff_affairs/</a>	
ITEM.SECURITY_TAG		Flag indicates whether an anti-theft device (Electronic Article Security) is attached to the GTIN	Derived as Y based on the existence of value for ITEM.SECURITY_TAG.LOCATION.	
ITEM.SECURITY_TAG.LOCATION	AN 1/1	VALUE	Code specifying where the anti-theft device is attached to the physical GTIN	O (Outside of Trade Item) C (Concealed Inside Package) I (Integrated into Trade Item) blank
ITEM.PACKAGE.TAMPER_RESISTANT	AN 1/1	VALUE	Flag indicates whether or not the consumer item has tamper resistant packaging, for example, shrink wrap or safety seal	Y (yes) N (no)
ITEM.INNER_PACK_QTY	N0 1/3	VALUE	Quantity of units in inner pack	
ITEM.INNER_PACK_PACKAGING_MATERIAL	AN 2/2	VALUE	ANSI ASC X12 code for inner pack packaging material, such as glass, metal, or plastic	See Appendix B
ITEM.INNER_PACK_PACKAGING_DESCRIPTION			Text description of inner pack packaging Derived from the description associated with Packaging Material Code value specified for ITEM.INNER_PACK_PACKAGING_MATERIAL.	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.INNER_PACK_PACKAGING.MATERIAL.QUANTITY	R 1/8,3	VALUE	The quantity of the inner pack packaging material; can be expressed in weight, volume, quantity, etc.	
	AN 2/2	UOM	Code for unit of measure	See Appendix B
ITEM.PACKAGING.TERMS	AN 1/2	VALUE	Code indicates the terms and conditions of the packaging such as rented, exchangeable, against deposit, or one way/not reusable	See Appendix E
ITEM.NESTING_INCREMENT	R 1/8,3	VALUE	Incremental height added to nested GTINs (between items); requires ITEM.NESTING_QUANTITY	
	AN 8/8	UOM	Code for height UOM	See Appendix A
ITEM.NESTING_QUANTITY	N0 1/4	VALUE	Maximum number of levels the consumer item can be nested (stacked) for display or storage	
ITEM.STACKING_WEIGHT.MAXIMUM	R 1/7,4	VALUE	Maximum admissible weight that can be stacked on the consumer item	
	AN 2/2	UOM	Code for weight	See Appendix A
ITEM.PALLET_BLOCKS	N0 1/3	VALUE	Number of cases per pallet layer; requires ITEM.PALLET_TIERS	
ITEM.PALLET_TIERS	N0 1/3	VALUE	Number of layers per pallet; requires ITEM.PALLET_BLOCKS	
ITEM.PALLET.TOTAL_QUANTITY			Total number of consumer items contained on a pallet Calculated by multiplying ITEM.PALLET_BLOCKS by ITEM.PALLET_TIERS.	
ITEM.PALLET_LENGTH	R 1/8,3	VALUE	Largest horizontal measurement when pallet in upright position; requires ITEM.PALLET_WIDTH and ITEM.PALLET_HEIGHT	
	AN 2/2	UOM	Unit of measure; UOM must be the same as the UOM for ITEM.PALLET_WIDTH and ITEM.PALLET_HEIGHT	See Appendix A
ITEM.PALLET_WIDTH	R 1/8,3	VALUE	Shortest horizontal measurement when pallet in upright position; requires ITEM.PALLET_LENGTH and ITEM.PALLET_HEIGHT	
	AN 2/2	UOM	Unit of measure; UOM must be the same as the UOM for ITEM.PALLET_LENGTH and ITEM.PALLET_HEIGHT	See Appendix A

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.PALLET_HEIGHT	R 1/8,3	VALUE	Vertical dimension when pallet in upright position; requires ITEM.PALLET_LENGTH and ITEM.PALLET_WIDTH	
	AN 2/2	UOM	Unit of measure; UOM must be the same as the UOM for ITEM.PALLET_LENGTH and ITEM.PALLET_WIDTH	See Appendix A
ITEM.PALLET_WEIGHT	R 1/8,3	VALUE	Gross weight per pallet; must be greater than or equal to ITEM.PALLET_WEIGHT.NET	
	AN 2/2	UOM	Unit of measure; UOM must be the same as UOM for ITEM.PALLET_WEIGHT.NET when both attributes are provided	See Appendix A
ITEM.PALLET_WEIGHT.NET	R 1/8,3	VALUE	Net weight of the contents of the pallet, excluding any packaging materials; must be less than ITEM.PALLET_WEIGHT	
	AN 2/2	UOM	Unit of measure; UOM must be the same as UOM for ITEM.PALLET_WEIGHT when both attributes are provided	See Appendix A
ITEM.PALLET.TYPE	AN 1/3	VALUE	Code indicates the type of pallet on which the despatch (shipping) unit is delivered	See Appendix E
ITEM.PALLET.TERMS	AN 1/2	VALUE	Code indicates the terms and conditions of the pallet such as rented, exchangeable, against deposit, or one way/not reusable	See Appendix E
ITEM.NUTRITION.INGREDIENTS	AN 1/1	VALUE	Flag indicates whether or not the consumer item's packaging contains ingredient information	Y (yes) N (no)
ITEM.NUTRITION.INGREDIENTS.LIST	AN 1/4000	VALUE	List of ingredients in item	
ITEM.NUTRITION.ORGANIC	AN 1/1	VALUE	Flag indicates if item is organic	Y (yes) N (no)
ITEM.NUTRITION.ORGANIC.CLAIM_AGENCY	AN 1/35	VALUE	A governing body that creates and maintains standards related to organic products; multiline	
ITEM.NUTRITION.ORGANIC.CODE	AN 2/2	VALUE	Code indicates the organic status of a consumer item or one or more of its components	See Appendix E
ITEM.PHARMACEUTICAL.ACTIVE_INGREDIENT.NAME	AN 1/35	VALUE	Active ingredients; multiline – up to 10 iterations	
ITEM.PHARMACEUTICAL.ACTIVE_INGREDIENT.PURPOSE	AN 1/50	VALUE	Purpose of active ingredients; multiline – up to 10 iterations	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.PHARMACEUTICAL.ACTIVE_INGREDIENT.QUANTITY	R 1/8,3	VALUE	Quantity of active ingredients per dosage unit; multiline – up to 10 iterations	
	AN 1/2	UOM	Unit of measure	l (liter) ml (milliliter) g (gram) mg (milligram) % (percentage)

## Logistics Attributes

The following attribute groups organize the logistics-related attributes:

- [“Common Logistics”](#) on page 31
- [“Extended Logistics”](#) on page 35

### Common Logistics

The following attributes are in the Common Logistics Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.CONSUMER_ITEM_WEIGHT	R 1/8,3	VALUE	Net weight of consumer item, unpackaged; must be less than ITEM.CONSUMER_PACKAGE_WEIGHT	
	AN 2/2	UOM	Code for weight unit of measure; UOM must be the same as UOM for ITEM.CONSUMER_PACKAGE_WEIGHT when both attributes are provided	See Appendix A
ITEM.CONSUMER_PACKAGE_WEIGHT	R 1/8,3	VALUE	Gross weight of consumer package; must be greater than or equal to ITEM.CONSUMER_ITEM_WEIGHT	
	AN 2/2	UOM	Code for weight UOM; UOM must be the same as UOM for ITEM.CONSUMER_ITEM_WEIGHT when both attributes are provided	See Appendix A
ITEM.CONSUMER_PACKAGE_SIZE	R 1/8,4	VALUE	Identifies the size of a consumer package using its most common UOM (e.g., weight, number of GTINs in the package)	
	AN 2/2	UOM	Unit of measure	See Appendix A

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.CONSUMER_PACKAGE_LENGTH	R 1/8,3	VALUE	Longest horizontal measurement of the package in the upright position; requires ITEM.CONSUMER_PACKAGE_WIDTH and ITEM.CONSUMER_PACKAGE_HEIGHT	
	AN 2/2	UOM	Code for length UOM; UOM must be the same as the UOM for ITEM.CONSUMER_PACKAGE_WIDTH and ITEM.CONSUMER_PACKAGE_HEIGHT	See Appendix A
ITEM.CONSUMER_PACKAGE_WIDTH	R 1/8,3	VALUE	Shortest horizontal measurement of the package in the upright position; requires ITEM.CONSUMER_PACKAGE_LENGTH and ITEM.CONSUMER_PACKAGE_HEIGHT	
	AN 2/2	UOM	Code for width unit of measure; UOM must be the same as the UOM for ITEM.CONSUMER_PACKAGE_LENGTH and ITEM.CONSUMER_PACKAGE_HEIGHT	See Appendix A
ITEM.CONSUMER_PACKAGE_HEIGHT	R 1/8,3	VALUE	Vertical dimension of package measured in upright position; requires ITEM.CONSUMER_PACKAGE_LENGTH and ITEM.CONSUMER_PACKAGE_WIDTH	
	AN 2/2	UOM	Code for height UOM; UOM must be the same as the UOM for ITEM.CONSUMER_PACKAGE_LENGTH and ITEM.CONSUMER_PACKAGE_WIDTH	See Appendix A
ITEM.CONSUMER_PACKAGE_VOLUME	R 1/8,3	VALUE	Volume of consumer package	
	AN 2/2	UOM	Code for volume UOM	See Appendix A
ITEM.LEAD_TIME	N0 1/3	VALUE	Estimated number of days from purchase order until receipt of shipment	
	AN 2/2	UOM	Unit of measure	HR (hours) DA (days) WK (weeks) MO (months) blank

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.ORIGIN_COUNTRY	AN 3/3	VALUE	Country where GTIN is manufactured; multiline -- up to 3 iterations allowed	See Appendix C
ITEM.SHIP_FROM.NAME	AN 1/40	VALUE	Location name or number of point of shipping origin; multiline – up to 15 iterations; cannot be same value as Ship From Code for same GTIN	
ITEM.SHIP_FROM.CODE	AN 1/40	VALUE	Proprietary code for location of point of shipping; multiline -- up to 15 iterations allowed; cannot be same value as Ship From Name for same GTIN	
ITEM.SHIP_FROM.CITY	AN 1/30	VALUE	Point of shipping origin city; multiline -- up to 15 iterations	
ITEM.SHIP_FROM.STATE	AN 2/2	VALUE	Point of shipping origin U.S. or Canadian province; multiline -- up to 15 iterations allowed	See Appendix C
ITEM.SHIP_FROM.COUNTRY	AN 3/3	VALUE	Point of origin shipping country (includes U.S. protectorates and territories); default="USA"; multiline -- up to 15 iterations allowed	See Appendix C
ITEM.SHIP_FROM.ZIP_POSTAL_CODE	AN 1/15	VALUE	Point of shipping origin zip or postal code; multiline -- up to 15 iterations allowed	
ITEM.COMMODITY_NMFC_CLASSIFICATION	N0 8/8	VALUE	NMFC Code	
ITEM.COMMODITY_HARMONIZED_SYSTEM_SCHEDULE_B	N0 1/10	VALUE	Harmonized System-based Schedule B  For more information on tariff and tax information, go to: <a href="http://export.gov/logistics/">http://export.gov/logistics/</a>  or for information on Schedule B, go to: <a href="http://www.census.gov/foreign-trade/schedules/b/">http://www.census.gov/foreign-trade/schedules/b/</a>	
ITEM.COMMODITY_QUOTA_CATEGORY	N0 1/6	VALUE	Quota category	
ITEM.TEMPERATURE_FLASH_POINT	R1/8,3	VALUE	The lowest temperature at which a substance gives off a sufficient vapor to support combustion; multiline	
	AN 1/1	UOM	Code for temperature	CE (Centigrade, Celsius) FA (Fahrenheit)
ITEM.HAZ_MAT_CLASS_CODE	AN 1/4	VALUE	Hazardous Materials Class Code denotes that hazardous materials are present and their type; requires ITEM.HAZ_MAT_MATERIAL_DESCRIPTION; multiline	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.HAZ_MAT_MATERIAL_DESCRIPTION	AN I/40	VALUE	Description of hazardous material; requires ITEM.HAZ_MAT_CLASS_CODE; multiline	
ITEM.DANGEROUS_GOODS			Flag indicates whether the consumer item and/or at least one of its packaging components must be classified as dangerous goods per national or international legislation  Derived as Y based on the existence of value for ITEM.TEMPERATURE.FLASH_POINT or ITEM.HAZ_MAT_CLASS_CODE, or any of the ITEM.DANGEROUS_GOODS... attributes.	
ITEM.DANGEROUS_GOODS.REGULATION_CODE	AN I/3	VALUE	Code to indicate the classification system(s) of dangerous goods and/or the agencies responsible for it; various systems exist and are used for hazard classification and identification;  For each occurrence of the Dangerous Goods group, ITEM.DANGEROUS_GOODS.REGULATION_CODE, ITEM.DANGEROUS_GOODS.HAZARD_ID, and ITEM.DANGEROUS_GOODS.SHIPPING_NAME are required; multiline	
ITEM.DANGEROUS_GOODS.CLASSIFICATION	AN I/4	VALUE	Dangerous good classification of the consumer item; there are 9 danger classes, some further subdivided into subclasses; based on UN/ECE code list; multiline	
ITEM.DANGEROUS_GOODS.HAZARD_ID	AN I/10	VALUE	Dangerous goods hazard ID number; which must be applied to the vehicle when transporting the consumer item by road or rail; multiline	
ITEM.DANGEROUS_GOODS.PACKING_GROUP	AN I/3	VALUE	Identifies the degree of risk that is present during transport of dangerous goods according to IATA/IMDG/ADR/RID regulations; multiline	
ITEM.DANGEROUS_GOODS.SHIPPING_NAME	AN I/200	VALUE	Shipping name of the consumer item per a recognized agency list; multiline	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.DANGEROUS_GOODS.CHEMICAL_NAME	AN 1/200	VALUE	Chemical name for the consumer item as provided in the substance list of GGVS (Dangerous Goods Ordinance for Roads) or GGVE (Dangerous Goods Ordinance for Rail); multiline	
ITEM.DANGEROUS_GOODS.UNITED_NATIONS_NUMBER	N0 4/4	VALUE	The four-digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods to classify a substance or a particular group of substances (UNDG number); multiline	
ITEM.DANGEROUS_GOODS.A_MARGIN_NUMBER	AN 1/30		Information that indicates the potential existence of a dangerous goods a-margin number for a consumer item or its packaging based on European dangerous goods agreements; multiline	Not Possible (A-margin number is not possible) Possible (A-margin number is possible, but not used by the supplier) Used (A-margin number is used by the supplier)

### Extended Logistics

The following attributes are in the Extended Logistics Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.PACK_SIZE_TYPE	AN 1/48	VALUE	Item packaging configuration description. For example, "24-pack cans"	
ITEM.ASSEMBLY_COUNTRY	AN 3/3	VALUE	Country where GTIN is assembled	See Appendix C
ITEM.TRANSPORT_METHOD_TYPE	AN 1/2	VALUE	Code indicates method or type of transportation for shipment	See Appendix E
ITEM.AEROSOL	AN 1/1	VALUE	Flag indicates that GTIN contains aerosol	Y (yes) N (no) blank
ITEM.NORTH_AMERICAN.HMIS	AN 1/5	VALUE	Hazardous Materials Identification System (HMIS) code; refer to <a href="http://www.hmsllabels.com">http://www.hmsllabels.com</a> for more information on the following indicators: Position 1 = HMIS Health Hazard Position 2 = "*" if chronic Position 3 = Flammability Hazard Position 4 = Physical Hazard Position 5 = Personal Protection Information	



Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.CONTENT_PER_CONSUMER_PACK AGE	N0 1/5	VALUE	Contents in consumer package (i.e. 1000 nails)	
ITEM.CONSUMER_ITEM.UNPACKAGED			Flag indicates whether or not unpackaged (out of box) dimensions are provided for the consumer GTIN Derived as Y based on the existence of values for ITEM.CONSUMER_ITEM_LENGTH ITEM.CONSUMER_ITEM_HEIGHT, and ITEM.CONSUMER_ITEM_WIDTH.	
ITEM.CONSUMER_ITEM_LENGTH	R 1/8,3	VALUE	Longest horizontal measurement or item, unpackaged, upright position; requires ITEM.CONSUMER_ITEM_WIDTH and ITEM.CONSUMER_ITEM_HEIGHT	
	AN 2/2	UOM	Code for length UOM; UOM must be the same as the UOM for ITEM.CONSUMER_ITEM_HEIGHT and ITEM.CONSUMER_ITEM_WIDTH	See Appendix A
ITEM.CONSUMER_ITEM_WIDTH	R 1/8,3	VALUE	Shortest horizontal measurement or item, unpackaged, upright position; requires ITEM.CONSUMER_ITEM_LENGTH and ITEM.CONSUMER_ITEM_HEIGHT	
	AN 2/2	UOM	Code for width unit of measure; UOM must be the same as the UOM for ITEM.CONSUMER_ITEM_LENGTH and ITEM.CONSUMER_ITEM_HEIGHT	See Appendix A
ITEM.CONSUMER_ITEM_HEIGHT	R 1/8,3	VALUE	Vertical dimension of item, unpackaged, upright position; requires ITEM.CONSUMER_ITEM_LENGTH and ITEM.CONSUMER_ITEM_WIDTH	
	AN 2/2	UOM	Code for height measurement; UOM must be the same as the UOM for ITEM.CONSUMER_ITEM_LENGTH and ITEM.CONSUMER_ITEM_WIDTH	See Appendix A

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.CONSUMER_ITEM.DIAMETER	R 1/8,3	VALUE	Measurement of the diameter of the GTIN at its largest point	
	A/N 2/2	UOM	Code for diameter measurement; UOM must be the same as the UOM for ITEM.CONSUMER_ITEM_LENGTH, ITEM.CONSUMER_ITEM_HEIGHT and ITEM.CONSUMER_ITEM_WIDTH	See Appendix A
ITEM.CONSUMER_LENGTH_DESCRIPTION	AN 1/40	VALUE	Description of length of product	
ITEM.CONSUMER_ITEM.WEIGHT.DRAINED	R 1/8,3	VALUE	Net weight of consumer item when drained of its liquid	
	AN 2/2	UOM	Code for weight unit of measure	See Appendix A
ITEM.CONSUMER_ITEM_VOLUME	R 1/8,3	VALUE	Measurement of volume or capacity of item	
	AN 2/2	UOM	Code for volume unit of measure	See Appendix A
ITEM.CONSUMER_ITEM_VOLUME_DESCRIPTION	AN 1/40	VALUE	Description of volume or capacity for a hard lines appliance (e.g., "heavy duty")	
ITEM.ITEM_CLEARANCE_LENGTH	R 1/8,3	VALUE	Length of space required for GTIN (for example, refrigerator) to fit during installation	
	AN 2/2	UOM	Code for length unit of measure;	See Appendix A
ITEM.ITEM_CLEARANCE_WIDTH	R 1/8,3	VALUE	Width of space required for GTIN (e.g., refrigerator) to fit during installation	
	AN 2/2	UOM	Code for width unit of measure	See Appendix A
ITEM.ITEM_CLEARANCE_HEIGHT	R 1/8,3	VALUE	Height of space required for GTIN (e.g., refrigerator) to fit during installation	
	AN 2/2	UOM	Code for height UOM	See Appendix A
ITEM.CONSUMER_PACKAGE_LABEL_TYPE	AN 1/2	VALUE	Consumer Package Label Type	
ITEM.PACKAGE.SPECIAL_OPENING.TYPE	AN 1/15	VALUE	Code indicates the type of special opening package, for example, easy open, child resistant, or N/A	CRC (Child-Resistant Package) EASY_OPENING (Easy Opening Package) N/A (Not Applicable) blank
ITEM.INNER_PACK_VOLUME	R 1/8,3	VALUE	Gross volume per inner pack	
	AN 2/2	UOM	Code for volume unit of measure	See Appendix A

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.INNER_PACK_LENGTH	R 1/8,3	VALUE	Longest horizontal measurement of inner pack, upright position; requires ITEM.INNER_PACK_WIDTH and ITEM.INNER_PACK_HEIGHT	
	AN 2/2	UOM	Code for length unit of measure; UOM must be the same as the UOM for ITEM.INNER_PACK_WIDTH and ITEM.INNER_PACK_HEIGHT	See Appendix A
ITEM.INNER_PACK_WIDTH	R 1/8,3	VALUE	Shortest horizontal dimension of inner pack, upright position; requires ITEM.INNER_PACK_LENGTH and ITEM.INNER_PACK_HEIGHT	
	AN 2/2	UOM	Code for width unit of measure; UOM must be the same as the UOM for ITEM.INNER_PACK_LENGTH and ITEM.INNER_PACK_HEIGHT	See Appendix A
ITEM.INNER_PACK_HEIGHT	R 1/8,3	VALUE	Vertical dimension of inner pack in upright position; requires ITEM.INNER_PACK_LENGTH and ITEM.INNER_PACK_WIDTH	
	AN 2/2	UOM	Code for height unit of measure; UOM must be the same as the UOM for ITEM.INNER_PACK_LENGTH and ITEM.INNER_PACK_WIDTH	See Appendix A
ITEM.INNER_PACK_WEIGHT	R 1/8,3	VALUE	Gross weight per inner pack; must be greater than or equal to ITEM.INNER_PACK_WEIGHT.NET	
	AN 2/2	UOM	Code for weight; UOM must be the same as UOM for ITEM.INNER_PACK_WEIGHT.NET when both attributes are provided	See Appendix A
ITEM.INNER_PACK.WEIGHT.NET	R 1/8,3	VALUE	Net weight of the contents of the inner pack, excluding any packaging materials; must be less than ITEM.INNER_PACK_WEIGHT	
	AN 2/2	UOM	Code for weight; UOM must be the same as UOM for ITEM.INNER_PACK_WEIGHT when both attributes are provided	See Appendix A
ITEM.INNER_PACK_PACKAGING_TYPE	AN 3/3	VALUE	Inner pack packaging type, such as box or bag	See Appendix B
ITEM.INNER_PACK_PACKAGING.TYPE.DESCRPTION			Text description of inner pack packaging type  Derived from the description associated with Packaging Type Code value specified for ITEM.INNER_PACK_PACKAGING_TYPE.	
ITEM.MASTER_PACK_QTY	N0 1/6	VALUE	Number of inner containers (aches, if no inner containers)	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.MASTER_PACK_LENGTH	R 1/8,3	VALUE	Longest horizontal dimension of master carton in upright position; requires ITEM.MASTER_PACK_WIDTH and ITEM.MASTER_PACK_HEIGHT	
	AN 2/2	UOM	Code for length unit of measure; UOM must be the same as the UOM for ITEM.MASTER_PACK_WIDTH and ITEM.MASTER_PACK_HEIGHT	See Appendix A
ITEM.MASTER_PACK_WIDTH	R 1/8,3	VALUE	Shortest horizontal dimension of master carton in upright position; requires ITEM.MASTER_PACK_LENGTH and ITEM.MASTER_PACK_HEIGHT	
	AN 2/2	UOM	Code for width unit of measure; UOM must be the same as the UOM for ITEM.MASTER_PACK_LENGTH and ITEM.MASTER_PACK_HEIGHT	See Appendix A
ITEM.MASTER_PACK_HEIGHT	R 1/8,3	VALUE	Vertical dimension of master pack in upright position; requires ITEM.MASTER_PACK_LENGTH and ITEM.MASTER_PACK_WIDTH	
	AN 2/2	UOM	Code for height unit of measure; UOM must be the same as the UOM for ITEM.MASTER_PACK_LENGTH and ITEM.MASTER_PACK_WIDTH	See Appendix A
ITEM.MASTER_PACK_WEIGHT	R 1/8,3	VALUE	Gross weight per master pack; must be greater than or equal to ITEM.MASTER_PACK_WEIGHT.NET	
	AN 2/2	UOM	Code for weight; UOM must be the same as UOM for ITEM.MASTER_PACK_WEIGHT.NET when both attributes are provide	See Appendix A
ITEM.MASTER_PACK_WEIGHT.NET	R 1/8,3	VALUE	Net weight of the contents of the masterpack or case, excluding any packaging materials; must be less than ITEM.MASTER_PACK_WEIGHT	
	AN 2/2	UOM	Code for weight; UOM must be the same as UOM for ITEM.MASTER_PACK_WEIGHT when both attributes are provided	See Appendix A
ITEM.MASTER_PACK_VOLUME	R 1/8	VALUE	Gross volume per master pack	
ITEM.MASTER_PACK_PACKAGING_TYPE	AN 3/3	VALUE	Code for master pack packaging type (e.g., box)	See Appendix B

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.MASTER_PACK_PACKAGING.TYPE.DESCRPTION			Description of masterpack or case packaging type Derived from the description associated with Packaging Type Code value specified for ITEM.MASTER_PACK_PACKAGING_TYPE.	
ITEM.MASTER_PACK_PACKAGING_MATERIAL	AN 2/2	VALUE	ANSI ASC X12 code for master pack or case packaging material such as glass, metal, or plastic	See Appendix B
ITEM.MASTER_PACK_CONTAINER_EQUIPMENT_TYPE	AN 1/1	VALUE	Master pack container or equipment type, such as equipment, logical, physical or not specified	E (equipment) L (logical) N (not specified) P (physical)
ITEM.MASTER_PACK_PACKAGING_CONFIGURATION	AN 2/2	VALUE	Code for packaging configuration, such as cartons with hangers, rack, or re-shippable inner pack	See Appendix C
ITEM.MASTER_PACK_PACKAGING_DESCRIPTION			Description of master pack or case packaging Derived from the description associated with Packaging Material Code value specified for ITEM.IMASTER_PACK_PACKAGING_MATERIAL	
ITEM.MASTER_PACK_PACKAGING_MATERIAL.QUANTITY	R 1/8,3	VALUE	The quantity of the masterpack or case packaging material; can be expressed in weight, volume, quantity, etc.	
	AN 2/2	UOM	Code for unit of measure	See Appendix A
ITEM.PALLET_VOLUME	R 1/8,3	VALUE	Gross volume (cube) per pallet	
	AN 2/2	UOM	Unit of measure	See Appendix A
ITEM.PALLET_ALTERNATE_TIERS	N0 1/3	VALUE	Number indicating the alternate layers per pallet	
ITEM.LOGISTICS.LOAD.ORIENTATION.HEIGHT	AN 1/1	VALUE	Indicates whether GTIN can be loaded for shipment in an upright position (based on height); V (valid) means such placement is allowed; R (recommended) means such placement is preferred; only one orientation should be specified as R.	V (valid, allowed) R (recommended) I (invalid)
ITEM.LOGISTICS.LOAD.ORIENTATION.LENGTH	AN 1/1	VALUE	Indicates whether GTIN can be loaded for shipment on its longest side (based on length); V (valid) means such placement is allowed; R (recommended) means such placement is preferred; only one orientation should be specified as R.	V (valid, allowed) R (recommended) I (invalid)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.LOGISTICS.LOAD.ORIENTATION.WIDTH	AN I/I	VALUE	Indicates whether GTIN can be loaded for shipment on its shortest side (based on width); V (valid) means such placement is allowed; R (recommended) means such placement is preferred; only one orientation should be specified as R.	V ( <i>valid, allowed</i> ) R ( <i>recommended</i> ) I ( <i>invalid</i> )
ITEM.LOGISTICS.MAX_PRESSURE.ORIENTATION.HEIGHT	R I/8,3	VALUE	Maximum amount of pressure (weight) that can be applied to the top of a GTIN that is loaded for shipment in an upright position (based on height); primarily used for fragile items	
		UOM	Unit of measure	See Appendix E
ITEM.LOGISTICS.MAX_PRESSURE.ORIENTATION.LENGTH	R I/8,3	VALUE	Maximum amount of pressure (weight) that can be applied to the top of a GTIN that is loaded for shipment on its longest side (based on length); primarily used for fragile items	
		UOM	Unit of measure	See Appendix E
ITEM.LOGISTICS.MAX_PRESSURE.ORIENTATION.WIDTH	R I/8,3	VALUE	Maximum amount of pressure (weight) that can be applied to the top of a GTIN that is loaded for shipment on its shortest side (based on width); primarily used for fragile items	
		UOM	Unit of measure	See Appendix E

## Retail Attributes

The following attribute groups organize the retail-related attributes:

- [“Common Retail”](#) on page 42
- [“Extended Retail”](#) on page 46

### Common Retail

The following attributes are in the Common Retail Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.COMMODITY_GROUP	AN 1/48	VALUE	Vendor-assigned identifier representing a group of items with common characteristics.	
ITEM.UNIT_COST.ONPROMOTION			<p>Indicates whether or not a single line of the unit cost multiline attribute ITEM.UNIT_COST meets the criteria for 'on promotion.'</p> <p>Derived as Y based on all of the following criteria being true within a single line of the unit cost multiline attribute:</p> <ul style="list-style-type: none"> <li>■ ITEM.UNIT_COST.EFFECTIVE_DATE is populated</li> <li>■ ITEM.UNIT_COST.EXPIRATION_DATE is populated</li> <li>■ Private account is populated with the requestors account id or no private account</li> <li>■ The current date is between the effective and expiration dates</li> </ul>	
ITEM.ONPROMOTION			<p>Indicates whether at least one ITEM.UNIT_COST.ONPROMOTION multilines is yes.</p> <p>Derived as Y based on the existence of criteria defining whether at least one line line of the multiline ITEM.UNIT_COST is 'on promotion.'</p>	
ITEM.PREPACK_CODE	AN 2/2	VALUE	<p>Identifies specific items within a packaging hierarchy: pallet, mixed module, display shipper, case, prepack, setpack, multipack or prepack component</p> <p><b>Compliance Check</b> - Restrictions may be applied by the following compliance check:</p> <ul style="list-style-type: none"> <li>■ Item Maintenance Compatibility</li> </ul> <p>See <a href="#">Chapter 3 "Compliance Checks," on page 80.</a></p>	See Appendix E
ITEM.NRF_COLOR_CODE	N0 3/3	VALUE	<p>National Retail Federation color code or "000" (no color applicable); requires ITEM.COLOR_DESCRIPTION</p> <p><b>Compliance Check</b> - Restrictions may be applied by the following compliance check:</p> <ul style="list-style-type: none"> <li>■ GMA Compliance</li> </ul> <p>See <a href="#">Chapter 3 "Compliance Checks," on page 80.</a></p>	NRF Color Code 000 (no color)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.COLOR_DESCRIPTION	AN 1/20	VALUE	Text expression of color <b>Compliance Check</b> - Restrictions may be applied by the following compliance check: <ul style="list-style-type: none"> <li>■ GMA Compliance</li> </ul> See <a href="#">Chapter 3 "Compliance Checks," on page 80.</a>	
ITEM.COLOR_LONG_DESCRIPTION	AN 1/25	VALUE	Longer, more robust description of product color; should fully describe product color; not be an "add-on" description	
ITEM.NRF_SIZE_CODE	N0 5/5	VALUE	National Retail Federation size table (1 digit) plus size code (4 digits), or "00000" to indicate no size applicable; requires ITEM.SIZE_DESCRIPTION <b>Compliance Check</b> - Restrictions may be applied by the following compliance check: <ul style="list-style-type: none"> <li>■ GMA Compliance</li> </ul> See <a href="#">Chapter 3 "Compliance Checks," on page 80.</a>	NRF Size Code 00000 (no size)
ITEM.SIZE_DESCRIPTION	AN 1/10	VALUE	Text description of size <b>Compliance Check</b> - Restrictions may be applied by the following compliance check: <ul style="list-style-type: none"> <li>■ GMA Compliance</li> </ul> See <a href="#">Chapter 3 "Compliance Checks," on page 80.</a>	
ITEM.SIZE_LONG_DESCRIPTION	AN 1/25	VALUE	Longer, more robust description of product size; should fully describe product size, not be an "add-on" description	
ITEM.ODD_SIZE_INDICATOR	AN 2/2	VALUE	Flag indicates that size is not within normal size range and might have different price point than similar items	OS
ITEM.ORDER_QTY_MIN	N0 1/9	VALUE	Vendor's minimum order quantity for item	
ITEM.ORDER_QTY_MAX	N0 1/9	VALUE	Vendor's maximum order quantity for item	
ITEM.REORDERABLE_PRODUCT	AN 2/2	VALUE	Flag indicates that GTIN can or cannot be reordered (does not imply current availability)	RY (reorderable) RN (not reorderable)
ITEM.UNIT_COST	R 1/17,4	VALUE	Vendor GTIN cost; multiline; supports private values	
	AN 3/3	UOM	Code for currency; required	See Appendix D
ITEM.UNIT_COST.EFFECTIVE_DATE	Date	VALUE	First order date for vendor cost; multiline; supports private values; requires Unit Cost	
ITEM.UNIT_COST.EXPIRATION_DATE	Date	VALUE	Last order date for vendor cost; multiline; supports private values; requires Unit Cost	



Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.MSRP	R 1/17,4	VALUE	Manufacturer suggested retail price; multiline <b>Note:</b> To add an MSRP disclaimer to the MSRP, go to <b>Account &gt; Account Details</b> and enter the disclaimer text. It displays as part of the MSRP.	
	AN 3/3	UOM	Code for currency; required	See Appendix D
ITEM.MSRP_EFFECTIVE_DATE	Date	VALUE	First order date for manufacturer suggested retail price; multiline; requires MSRP	
ITEM.MSRP_EXPIRATION_DATE	Date	VALUE	Last order date for manufacturer suggested retail price; multiline; requires MSRP	
ITEM.AVAILABLE_DATE	Date	VALUE	Date GTIN available for shipping; must follow ITEM.BOOKING_DATE	
ITEM.AVAILABLE_DATE.END	Date	VALUE	Date GTIN is no longer available to buyers; generally provided for seasonal and temporary items and services; requires ITEM.AVAILABLE_DATE; must follow ITEM.AVAILABLE_DATE and ITEM.AVAILABLE_DATE.CONSUMER	
ITEM.AVAILABLE_DATE.CONSUMER	Date	VALUE	First date the buyer is allowed to sell the GTIN to consumers; requires ITEM.AVAILABLE_DATE; must follow ITEM.AVAILABLE_DATE; must precede ITEM.AVAILABLE_DATE.END when both are provided	
ITEM.SEASONAL_AVAILABILITY	AN 2/2	VALUE	Flag indicates GTIN is seasonal and available (that is, in season or out of season); does not imply current stock availability	SY (available) SN (not available)
ITEM.BOOKING_DATE	Date	VALUE	Date GTIN available for ordering; must precede ITEM.AVAILABLE_DATE.END when both are provided; must precede ITEM.AVAILABLE_DATE.CONSUMER when both are provided	
ITEM.DISCONTINUE_DATE	Date	VALUE	Date GTIN is no longer available for ordering	Cannot be greater than 12-31-2049
ITEM.CANCEL_DATE	Date	VALUE	Date GTIN is cancelled	
ITEM.DESCRPTION	AN 1/30	VALUE	Description of GTIN	
ITEM.SPECIAL_CODE	AN 2/2	VALUE	Code to indicate special item: collateral (no retail value), purchase with purchase (GTIN sold at special price when another GTIN purchased), or gift with purchase (no retail value)	CL (collateral) PW (purchase with purchase) GW (gift with purchase)
ITEM.TRADE_NAME	AN 1/25	VALUE	Brand or label name; helps buyer recognize merchandise	
ITEM.MANUFACTURER_OF_GOODS	AN 1/25	VALUE	Manufacturer of item	
ITEM.MANUFACTURER_OF_GOODS.GLN	N0 13/13	VALUE	GLN that identifies the manufacturer of the item; requires ITEM.MANUFACTURER_OF_GOODS	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.FABRIC_DESCRIPTION	AN 1/40	VALUE	Fabric content or description	
ITEM.WARRANTY			Flag indicates if product has a warranty. Derived as Y based on the existence of value for either ITEM.WARRANTY_DESC or ITEM.WARRANTY.URL.	
ITEM.WARRANTY_DESC	AN 1/80	VALUE	Terms of warranty	
ITEM.WARRANTY.URL	AN 1/80	VALUE	URL that indicates where warranty information for the trade item can be found	
ITEM.HANGER			Flag indicates whether or not the consumer item is to be supplied on a hanger. Derived as Y based on the existence of value for ITEM.HANGER.TYPE	
ITEM.HANGER.TYPE	AN 4/6	VALUE	Code indicates the type of hanger.	VICS ( <i>Voluntary interindustry Commerce Standard "Voluntary Guidelines for Floor Ready Merchandise"</i> ) SKRS ( <i>Standard Clothes Hanger Return System</i> ) ( <a href="http://www.gs1-germany.de/internet/content/e39/e51">http://www.gs1-germany.de/internet/content/e39/e51</a> ) CUSTOM ( <i>Other, non-standard hanger</i> )
ITEM.CPSIA_CERTIFIED	AN 1/1	VALUE	Flag indicates whether or not the item is in compliance with the Consumer Product Safety Improvement Act (CPSIA).	Y (yes) N (no)
ITEM.CPSIA_CERTIFICATE_URL	AN 1/264	VALUE	The URL where the item's CPSIA Compliance Certificate is posted.	

**Extended Retail**

The following attributes are in the Extended Retail Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.VENDOR_SIZE_CODE	AN 1/48	VALUE	Vendor-specific size code. Code representing a vendor-assigned size. This is different from the NRF Size Code.	
ITEM.VENDOR_SIZE_DESC	AN 1/80	VALUE	Vendor-specific size description. Text description of the vendor-specific size code.	
ITEM.VENDOR_COLOR_CODE	AN 1/48	VALUE	Vendor-specific color code. Code representing a vendor-assigned color. This is different from the NRF Color Code.	
ITEM.VENDOR_COLOR_DESC	AN 1/80	VALUE	Vendor-specific color description. Text description of the vendor-specific color code.	
ITEM.SKU	AN 1/48	VALUE	Vendor-specific item identifier. Identifier representing a vendor-assigned internal item number.	
ITEM.SKU_DESC	AN 1/80	VALUE	Vendor's stock keeping unit description. Text description of the vendor-specific item number (SKU).	
ITEM.DEPARTMENT_CODE	AN 1/12	VALUE	Category. Code representing the merchandise department associated with an item.	
ITEM.DEPARTMENT_DESCRIPTION	AN 1/80	VALUE	Text description of the merchandise department associated with an item.	
ITEM.BUSINESS_UNIT	AN 1/48	VALUE	Company division, product line within a division, or single product or company brand.	
ITEM.SALES_ORGANIZATION	AN 1/50	VALUE	Identifier representing the selling unit in the legal sense, responsible for product liability and other rights of recourse; customer deliveries; business partner contacts; and direct mailing campaigns.	
ITEM.DISTRIBUTION_CHANNEL	AN 2/80	VALUE	Identifier representing the type of sales outlet or avenue through which the licensed product or service is sold.	
ITEM.PLANT	AN 2/80	VALUE	Identifier representing the plant where the item was manufactured.	
ITEM.MATERIAL_GROUP	AN 1/50	VALUE	Vendor-specific product classification.	
ITEM.EXPIRATION_DATE	Date	VALUE	Date GTIN expires	
ITEM.EXPIRATION_DATE.MARKED	AN 1/1	VALUE	Indicates whether or not the trade item is stamped or imprinted with a freshness, sell by, or use by date	Y (yes) N (no)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.MARKED.RETAIL_PRICE			Flag indicates whether or not the GTIN is physically marked with a retail price Derived as Y based on the existence of value for ITEM.MARKED.RETAIL_PRICE.AMO UNT.	
ITEM.MARKED.RETAIL_PRICE.AMOUNT	R 1/17,4	VALUE	Value of the retail price physically marked on the GTIN	
	AN 3/3	UOM	Code for currency; required	See Appendix D
ITEM.CONSUMER_DESCRIPTION	AN 1/255	VALUE	Consumer description of a GTIN to the brand name, and description of GTIN	
ITEM.PANTONE_COLOR_CODE.PRIMARY	N0 6/6	VALUE	Primary Pantone color code	
ITEM.PANTONE_COLOR_CODE.ACCENT_1	N0 6/6	VALUE	Pantone color code for accent color 1	
ITEM.PANTONE_COLOR_CODE.ACCENT_2	N0 6/6	VALUE	Pantone color code for accent color 2	
ITEM.PANTONE_COLOR_CODE.ACCENT_3	N0 6/6	VALUE	Pantone color code for accent color 3	
ITEM.PANTONE_COLOR_CODE.ACCENT_4	N0 6/6	VALUE	Pantone color code for accent color 4	
ITEM.ISBN_NUMBER	AN 10/10	VALUE	International Standard Book Number that identifies books and book-like products published internationally	
ITEM.ISSN_NUMBER	AN 8/8	VALUE	International Standard Serial Number assigned to periodical publications	
ITEM.FMCG.ITEM_NUMBER	N0 1/35	VALUE	Additional trade item identification number used in the Fast Moving Consumer Goods (FMCG) industry segment	
	AN 1/35	UOM	Code for item number type.	See Appendix E
ITEM.IFDA_CODE	AN 1/30	VALUE	International Food Distributors Association (IFDA) classification code	
ITEM.BRAND_TYPE	AN 1/25	VALUE	Describes brand association: National Brand - high level of consumer recognition, can include regional brands; National Label - less recognition, goods can be bought on open market; Exclusive to Retailer - sold as private brand or private label to a single retailer	National Brand National Label Exclusive to Retailer
ITEM.VENDOR_PURCHASE_METHOD	AN 1/25	VALUE	Method of vendor purchase	Direct Indirect Diverted Domestic

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.FEATURE_BENEFIT	AN 1/80	VALUE	Brief consumer benefit message; multiline -- up to 5 iterations allowed; send in order of importance	
ITEM.MARKETING_MESSAGE	AN 1/4000	VALUE	Marketing message; multiline -- up to 4 iterations allowed	
ITEM.SHORT_PRODUCT_MARKETING_MESSAGE	AN 1/4096	VALUE	Short marketing message associated with the item.	
ITEM.EXTENDED_PRODUCT_MARKETING_MESSAGE	AN 1/8192	VALUE	Extended marketing message associated with the item.	
ITEM.GENDER_BY_AGE	AN 1/25	VALUE	Primary gender and age group	See Appendix E
ITEM.PRODUCT_STYLE	AN 1/25	VALUE	Type of apparel, accessory, or jewelry	
ITEM.COLORIZATION	AN 1/25	VALUE	Variables for appliance colors	See Appendix E
ITEM.GOLD_KARAT	AN 5/5	VALUE	Standard karat weights to convey gold jewelry quality	See Appendix E
ITEM.PRODUCT_SHAPE	AN 1/25	VALUE	Shape of primary gemstone in jewelry	
ITEM.SLEEVE_LENGTH	AN 1/25	VALUE	Style of sleeve of garment	Short sleeve Long sleeve Sleeveless ¾ Sleeve Cap sleeve Elbow sleeve Roll-up Dolman
ITEM.COLLAR_TYPE	AN 1/25	VALUE	Collar style	
ITEM.STONE	AN 1/25	VALUE	Primary stone type in jewelry	See Appendix E
ITEM.PRODUCT_TYPE	AN 1/20	VALUE	Specific product group or function (for example, belts, sweaters, drill, salad dressing)	
ITEM.SEASON	AN 1/12	VALUE	Identifies season associated with a product (for example, Fall)	Fall Spring Summer Holiday Transitional Continuous
ITEM.SPORT	AN 1/15	VALUE	Sport a product refers to	Hockey Baseball Basketball Football Auto Racing
ITEM.TEAM	AN 1/25	VALUE	Team a product refers to	
ITEM.DEPOSIT_VALUE	R 1/17,4	VALUE	Decimal value of monetary deposit amount	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.WARNING	AN 1/1	VALUE	Flag indicates if product label contains a warning	Y (yes) N (no)
ITEM.WARNING.DESCRPTION	AN 1/255	VALUE	Warning description	
ITEM.ALCOHOL_WARNING	AN 1/1	VALUE	Flag indicates if label contains alcohol warning	Y (yes) N (no)
ITEM.REFRIGERATE_AFTER_OPENING	AN 1/1	VALUE	Flag indicates if product should be refrigerated after opening	Y (yes) N (no)
ITEM.SHAKE_WELL_BEFORE_USE	AN 1/1	VALUE	Shake well before use	Y (yes) N (no)
ITEM.IRRADIATED	AN 1/1	VALUE	Flag indicates if radiation has been applied to the trade item	Y (yes) N (no)
ITEM.IRRADIATED.RAW_MATERIAL	AN 1/1	VALUE	Flag indicates if radiation has been applied to the trade item's raw material	Y (yes) N (no)
ITEM.IRRADIATED.INGREDIENT	AN 1/1	VALUE	Flag indicates if radiation has been applied to the trade item's ingredient	Y (yes) N (no)
ITEM.LP_NATURAL_GAS	AN 2/4	VALUE	Type of gas for appliance	LP (liquid propane) NAT (natural gas) BOTH
ITEM.HP_RATING	R 1/8	VALUE	Horsepower rating for gasoline appliances	
ITEM.BTU_RATING	N0 1/10	VALUE	BTU rating for gas appliances	
ITEM.AMP_RATING	R 1/8	VALUE	Amp rating for motor or appliance	
ITEM.ORDER_QTY_MULTIPLE	N0 1/9	VALUE	Product must be ordered in multiples of quantity specified	
ITEM.INVOICED_UNIT_OF_MEASURE	AN 2/2	VALUE	Stand-alone unit of measure indicates the unit in which the GTIN will be invoiced (e.g., GTINs may be ordered by 4-pack increments, but invoiced by the eaches, or ordered in 100-foot increments, but invoiced by the foot)	See Appendix A
ITEM.ALTERNATE_UNIT_OF_MEASURE	AN 2/2	VALUE	A second stand-alone unit of measure indicates an alternate unit in which the GTIN may be purchased or sold to the consumer (e.g., GTINs may be ordered by the box, but sold by the each, or ordered by a spool, but sold by the linear foot); requires ITEM.INVOICED_UNIT_OF_MEASURE	See Appendix A
ITEM.UNSPSC_CLASSIFICATION	N0 1/10	VALUE	United Nations Standard Product and Service Codes; used for classification	Must be 2, 4, 6, 8, or 10 digits

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.WARRANTY_PERIOD	AN 1/10	VALUE	Specify warranty time frame or mileage	
	AN 2/2	UOM	Unit of measure	DA (days) DH (miles) MO (months) YR (years)
ITEM.TIRE_SEGMENT	AN 1/25	VALUE	Describes type of vehicle the tire is designed for	See Appendix E
ITEM.TIRE_SPEED_RATING	AN 1/9	VALUE	Code indicating speed rating for tire	See Appendix E
ITEM.MERCHANDISE_CLASSIFICATION	AN 1/80	VALUE	Description to clarify the related merchandise	
ITEM.PANT_INSEAM_LENGTH	AN 1/80	VALUE	The length in inches of the inseam of the item when the item is a pant or a short	
ITEM.DRESS_SKIRT_LENGTH	AN 1/80	VALUE	The length in inches of the inseam of the item when the item is a dress or skirt	
ITEM.FPLA_COMPLIANCE_FLAG	AN 2/2	VALUE	An indicator for when an item is in compliance with the Fur Products Labeling Act (FPLA) requirements	FP
ITEM.FUR_ANIMAL_NAME	AN 1/50	VALUE	The name of the animal whose fur was used in a garment.	
ITEM.FUR_MFR_NAME	AN 1/80	VALUE	The Registered Name of the manufacturer, importer, or other seller, marketer, or distributor of the fur.	
ITEM.FUR_MFR_REG_ID_NBR	AN 1/50	VALUE	The Registered Identification Number (RN) of the manufacturer, importer, or other seller, marketer, or distributor of the fur.	
ITEM.FUR_COUNTRY_OF_ORIGIN	AN 1/50	VALUE	The country of origin for an imported fur product (including the country of origin for imported furs made into fur products in the U.S.)	
ITEM.FUR_TREATMENT	AN 1/12	VALUE	Indicates if the fur is painted, dyed, bleached, artificially colored, or natural (untreated)	PAINTED DYED BLEACHED ART-COLORED NATURAL
ITEM.FUR_CONSTRUCTION	AN 1/12	VALUE	Indicates if the fur product is composed in whole or substantial part (more than 10% of its surface area) of pieces such as paws, tails, bellies, sides, flanks, gills, ears, throats, heads, scraps, or waste fur.	Y (yes) N (no)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.FUR_CONDITION	AN I/12	VALUE	Indicates if the fur is new, used, or damaged	NEW USED DAMAGED
ITEM.FUR_TEXTILE_WOOL_RN	AN I/12	VALUE	The textile or wool content of the product, as well as the registered identification number of the textile or wool component	
ITEM.FUR_TEXTILE_WOOL_COUNTRY_OF_ORIGIN_AND_NAME	AN I/80	VALUE	The textile or wool content of the product, as well as the country of origin and manufacturer or dealer identity of the textile or wool component	
ITEM.FUR_CUTTING_METHOD	AN I/12	VALUE	Indicates if the product contains fur that has been sheared, plucked, or let-out	SHEARED PLUCKED LET-OUT

## Pharmaceutical Attributes

The Pharmaceutical attribute group organizes pharmaceutical attributes.

### Pharmaceutical

The following attributes are in the Pharmaceutical Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.PHARMACEUTICAL.DOSAGE_UNIT	AN I/25	VALUE	Amount of a single dose of drug product (e.g., “one tablet” or “one teaspoon”)	
ITEM.PHARMACEUTICAL.INACTIVE_INGREDIENTS	AN I/4000	VALUE	List of established name of each inactive ingredient	
ITEM.PHARMACEUTICAL.USES	AN I/255	VALUE	Uses or indications for the product; multiline – up to 10 iterations	
ITEM.PHARMACEUTICAL.DIRECTIONS	AN I/255	VALUE	Directions for use; multiline –up to 20 iterations	
ITEM.PHARMACEUTICAL.OTHER_INFORMATION	AN I/255	VALUE	Miscellaneous product information, required or optional; multiline – up to 20 iterations	
ITEM.PHARMACEUTICAL.QUESTIONS_CONTACT	AN I/255	VALUE	Telephone number of source to answer questions about the product; also days and times	
ITEM.PHARMACEUTICAL.WARNING_GENERAL	AN I/255	VALUE	Product warnings required by FDA but not indicated under specific subheadings on package; multiline – up to 20 iterations	
ITEM.PHARMACEUTICAL.WARNING.REYES_SYNDROME	AN I/205	VALUE	Warning for drug products containing salicylates	See Acceptable Values below
ITEM.PHARMACEUTICAL.WARNING.ALLERGY_ALERT	AN I/255	VALUE	Allergic reaction warning for product that requires separate allergy warning; multiline – up to 10 iterations	
ITEM.PHARMACEUTICAL.WARNING.FLAMMABILITY	AN I/50	VALUE	Product flammability warning: one of the four Acceptable Values	See Acceptable Values below



Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.PHARMACEUTICAL.WARNING.CHOKING	AN 1/330	VALUE	Choking warning for drug products	See Acceptable Values below
ITEM.PHARMACEUTICAL.WARNING.ALCOHOL	AN 1/500	VALUE	Alcohol warning for drug products	
ITEM.PHARMACEUTICAL.WARNING.SORE_THROAT	AN 1/260	VALUE	Sore throat warning for drug products	See Acceptable Values below
ITEM.PHARMACEUTICAL.WARNING.DOSAGE	AN 1/65	VALUE	Dosage warning for products containing sodium phosphates	See Acceptable Values below
ITEM.PHARMACEUTICAL.WARNING.DO_NOT_USE	AN 1/255	VALUE	Warning of situations in which consumers should not use product; multiline – up to 10 iterations	
ITEM.PHARMACEUTICAL.WARNING.DOCTOR	AN 1/255	VALUE	Product warning for persons with certain preexisting conditions or experiencing certain symptoms; multiline –up to 10 iterations	
ITEM.PHARMACEUTICAL.WARNING.DOCTOR_OR_PHARMACIST	AN 1/255	VALUE	Product warning describing drug-drug and drug-food interactions; multiline – up to 10 iterations	
ITEM.PHARMACEUTICAL.WARNING.USE_CAUTION	AN 1/255	VALUE	Warning describing possible side effects and substances or activities to avoid while using the product; multiline – up to 10 iterations	
ITEM.PHARMACEUTICAL.WARNING.STOP_USE	AN 1/255	VALUE	Warning describing signs of toxicity or other reactions that require discontinuation of use; multiline – up to 10 iterations	
ITEM.PHARMACEUTICAL.WARNING.PREGNANCY	AN 1/235	VALUE	Product warning for women who are pregnant or breast feeding; multiline – up to 3 iterations	See Acceptable Values below
ITEM.PHARMACEUTICAL.WARNING.CHILDREN	AN 1/30	VALUE	Warning to keep product out of reach of children	See Acceptable Values below
ITEM.PHARMACEUTICAL.WARNING.OVERDOSE	AN 1/85	VALUE	Warning for accidental overdose	See Acceptable Values below
ITEM.PHARMACEUTICAL.WARNING.INGESTION	AN 1/80	VALUE	Warning for drugs not intended for oral ingestion	See Acceptable Values below

### Acceptable Values

The following statements in quotations must be used as exact values for the attribute:

- ITEM.PHARMACEUTICAL.WARNING.REYES\_SYNDROME—“Children and teenagers should not use this medicine for chicken pox or flu symptoms before a doctor is consulted about Reye's syndrome, a rare but serious illness reported to be associated with aspirin.”
- ITEM.PHARMACEUTICAL.WARNING.FLAMMABILITY—One of the following:
  - “Extremely flammable”
  - “Flammable”
  - “Combustible”
  - “Keep away from fire or flame”

- ITEM.PHARMACEUTICAL.WARNING.CHOKING—“Taking this product without adequate fluid may cause it to swell and block your throat or esophagus and may cause choking. Do not take this product if you have difficulty in swallowing. If you experience chest pain, vomiting, or difficulty in swallowing or breathing after taking this product, seek immediate medical attention.”
- ITEM.PHARMACEUTICAL.WARNING.SORE\_THROAT—“Severe or persistent sore throat or sore throat accompanied by high fever, headache, nausea, and vomiting may be serious. Consult physician promptly. Do not use more than 2 days or administer to children under 3 years of age unless directed by physician.”
- ITEM.PHARMACEUTICAL.WARNING.DOSAGE—One of the following:
  - “Taking more than the recommended dose in 24 hours can be harmful.”
  - “Using more than one enema in 24 hours can be harmful.”
- ITEM.PHARMACEUTICAL.WARNING.PREGNANCY—One of the following:
  - “If pregnant or breast-feeding, ask a health professional before use.”
  - “It is especially important not to use aspirin during the last three months of pregnancy unless definitely directed to do so by a doctor because it may cause problems in the unborn child or complications during delivery.”
  - “It is especially important not to use carbaspirin calcium during the last three months of pregnancy unless definitely directed to do so by a doctor because it may cause problems in the unborn child or complications during delivery.”
- ITEM.PHARMACEUTICAL.WARNING.CHILDREN—“Keep out of reach of children.”
- ITEM.PHARMACEUTICAL.WARNING.OVERDOSE—“In case of overdose, get medical help or contact a Poison Control Center right away.”
- ITEM.PHARMACEUTICAL.WARNING.INGESTION—“If swallowed, get medical help or contact a Poison Control Center right away.”

## Nutrition and Nutritional Supplements Attributes

The following attribute groups organize the nutrition-related attributes:

- [“Nutrition”](#) on page 53
- [“Nutritional Supplements”](#) on page 63

### Nutrition

The following attributes are in the Nutrition Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.HOUSE_CHEF_ENDORSED	AN 1/1	VALUE	Flag indicates if item is endorsed by house chef	Y (yes) N (no) blank
ITEM.ALCOHOL_PERCENT	R 1/4,2	VALUE	Percentage of alcohol in product	
	AN 1/1	UOM	Unit of measure	%

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.DEGREE_OF_ORIGINAL_WORT	AN 1/3	VALUE	Specifies the degree of original wort; used to allocate various kinds of beer to the appropriate beer tax group and beer tax rate in certain countries	
ITEM.DRY_MATTER.FAT_PERCENTAGE	R 1/4,2	VALUE	Percentage of fat contained in the base product	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.SERVING_SIZE	AN 1/40	VALUE	Serving size	
ITEM.NUTRITION.SERVINGS_PER_CONTAINER	R 1/6	VALUE	Number of servings per container	
ITEM.NUTRITION.WEIGHT_VOLUME_PER_SERVING	R 1/6	VALUE	Weight or volume per serving	
	AN 1/2	UOM	Unit of measure	g (grams) ml (milliliters)
ITEM.NUTRITION.CALORIES	R 1/6	VALUE	Total calories	
ITEM.NUTRITION.CALORIES_FROM_FAT	R 1/6	VALUE	Total calories from fat	
ITEM.NUTRITION.FAT	R 1/6	VALUE	Total fat quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.FAT_PERCENT	R 1/6	VALUE	Percentage of daily value of fat	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.SATURATED_FAT	R 1/6	VALUE	Total saturated fat quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SATURATED_FAT_PERCENT	R 1/6	VALUE	Percentage of daily value of saturated fat	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.SODIUM	R 1/6	VALUE	Total sodium quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SODIUM_PERCENT	R 1/6	VALUE	Percentage of daily value of sodium	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.CARBS	R 1/6	VALUE	Total carbohydrate quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.CARBS_PERCENT	R 1/6	VALUE	Percentage of daily value of carbohydrates	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.CHOLESTEROL	R 1/6	VALUE	Total cholesterol quantity	
	AN 2/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.CHOLESTEROL_PERCENT	R 1/6	VALUE	Percentage of daily value of cholesterol	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.SUGARS	R 1/6	VALUE	Total sugar quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.PROTEIN	R 1/6	VALUE	Total protein quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.PROTEIN_PERCENT	R 1/6	VALUE	Percentage of daily value of protein	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.DIETARY_FIBER	R 1/6	VALUE	Total dietary fiber quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.DIETARY_FIBER_PERCENT	R 1/6	VALUE	Percentage of daily value of dietary fiber	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.ASPARTAME_FREE	AN 1/1	VALUE	Flag indicates if item contains aspartame	Y (yes) N (no)
ITEM.NUTRITION.BABY.STAGE_1	AN 1/1	VALUE	Flag indicates that packaging designates item as Baby Stage 1	Y (yes)
ITEM.NUTRITION.BABY.STAGE_2	AN 1/1	VALUE	Flag indicates that packaging associates item as Baby Stage 2	Y (yes)
ITEM.NUTRITION.BABY.STAGE_3	AN 1/1	VALUE	Flag indicates that packaging associates item as Baby Stage 3	Y (yes)
ITEM.NUTRITION.CAFFEINE_FREE	AN 1/1	VALUE	Flag indicates if item contains caffeine	Y (yes) N (no)
ITEM.NUTRITION.DAIRY_FREE	AN 1/1	VALUE	Flag indicates if item contains dairy products	Y (yes) N (no)
ITEM.NUTRITION.EGG_FREE	AN 1/1	VALUE	Flag indicates if item contains egg	Y (yes) N (no)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.FIBER_INSOLUBLE	R 1/6	VALUE	Total insoluble fiber quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.FIBER_SOLUBLE	R 1/6	VALUE	Total soluble fiber quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.GELATIN	R 1/6	VALUE	Total quantity of gelatin	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.GLUTEN_FREE	AN 1/1	VALUE	Flag indicates if item is labeled gluten free	Y (yes) N (no)
ITEM.NUTRITION.HEART_HEALTHY	AN 1/1	VALUE	Flag indicates if item is labeled heart healthy	Y (yes) N (no)
ITEM.NUTRITION.HIGH_FIBER	AN 1/1	VALUE	Flag indicates if item is labeled high fiber	Y (yes) N (no)
ITEM.NUTRITION.HOLIDAY	AN 1/1	VALUE	Flag indicates if item is holiday item	Y (yes) N (no)
ITEM.NUTRITION.KOSHER	AN 1/1	VALUE	Flag indicates if item is kosher	Y (yes) N (no)
ITEM.NUTRITION.KOSHER_DESCRIPTION	AN 1/20	VALUE	Kosher description; multiline – up to 4 iterations allowed	
ITEM.NUTRITION.LOW_CALORIE	AN 1/1	VALUE	Flag indicates if item is low cholesterol	Y (yes) N (no)
ITEM.NUTRITION.LOW_CHOLESTEROL	AN 1/1	VALUE	Flag indicates if item is low calorie	Y (yes) N (no)
ITEM.NUTRITION.LOW_FAT	AN 1/1	VALUE	Flag indicates if item is low fat	Y (yes) N (no)
ITEM.NUTRITION.LOW_IRON	AN 1/1	VALUE	Flag indicates if item is low iron	Y (yes) N (no)
ITEM.NUTRITION.LOW_SALT	AN 1/1	VALUE	Flag indicates if item is low salt	Y (yes) N (no)
ITEM.NUTRITION.LOW_SUGAR	AN 1/1	VALUE	Flag indicates if item is low sugar	Y (yes) N (no)
ITEM.NUTRITION.MACROBIOTIC	AN 1/1	VALUE	Flag indicates if item is macrobiotic	Y (yes) N (no)
ITEM.NUTRITION.MILK_FREE	AN 1/1	VALUE	Flag indicates if item is milk free	Y (yes) N (no)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.MONOUNSAT	R 1/6	VALUE	Total monounsaturated fat quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.NO_CHOLESTEROL	AN 1/1	VALUE	Flag indicates if item contains no cholesterol	Y (yes) N (no)
ITEM.NUTRITION.NO_FAT	AN 1/1	VALUE	Flag indicates if item contains no salt	Y (yes) N (no)
ITEM.NUTRITION.NO_FLUOROCARBONS	AN 1/1	VALUE	Flag indicates if item contains no fluorocarbons	Y (yes) N (no)
ITEM.NUTRITION.NO_MSG	AN 1/1	VALUE	Flag indicates if item contains no monosodium glutamate	Y (yes) N (no)
ITEM.NUTRITION.NO_PRESERVATIVES	AN 1/1	VALUE	Flag indicates if item contains no preservatives	Y (yes) N (no)
ITEM.NUTRITION.NO_SALT	AN 1/1	VALUE	Flag indicates if item contains no salt	Y (yes) N (no)
ITEM.NUTRITION.NO_SUGAR	AN 1/1	VALUE	Flag indicates if item contains no sugar	Y (yes) N (no)
ITEM.NUTRITION.BIOTIN	R 1/6	VALUE	Biotin quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.BIOTIN_PERCENT	R 1/6	VALUE	Percentage of daily value of biotin	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.BORON	R 1/6	VALUE	Boron quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.CALCIUM	R 1/6	VALUE	Calcium quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.CALCIUM_PERCENT	R 1/6	VALUE	Percentage of daily value of calcium	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.CHLORIDE	R 1/6	VALUE	Chloride quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.CHLORIDE_PERCENT	R 1/6	VALUE	Percentage of daily value of chloride	
	AN 1/1	UOM	Unit of measure	%

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.CHROMIUM	R 1/6	VALUE	Chromium quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.CHROMIUM_PERCENT	R 1/6	VALUE	Percentage of daily value of chromium	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.COPPER	R 1/6	VALUE	Copper quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.COPPER_PERCENT	R 1/6	VALUE	Percentage of daily value of copper	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.FOLATE	R 1/6	VALUE	Folate quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.FOLATE_PERCENT	R 1/6	VALUE	Percentage of daily value of folate	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.IODINE	R 1/6	VALUE	Iodine quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.IODINE_PERCENT	R 1/6	VALUE	Percentage of daily value of iodine	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.IRON	R 1/6	VALUE	Iron quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.IRON_PERCENT	R 1/6	VALUE	Percentage of daily value of iron	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.LUTEIN	R 1/6	VALUE	Lutein quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.MAGNESIUM	R 1/6	VALUE	Magnesium quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.MAGNESIUM_PERCENT	R 1/6	VALUE	Percentage of daily value of magnesium	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.MANGANESE	R 1/6	VALUE	Manganese quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.MANGANESE_PERCENT	R 1/6	VALUE	Percentage of daily value of manganese	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.MOLYBDENUM	R 1/6	VALUE	Molybdenum quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.MOLYBDENUM_PERCENT	R 1/6	VALUE	Percentage of daily value of molybdenum	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.NIACIN	R 1/6	VALUE	Niacin quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.NIACIN_PERCENT	R 1/6	VALUE	Percentage of daily value of niacin	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.NICKEL	R 1/6	VALUE	Nickel quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.PANTOTHENIC_ACID	R 1/6	VALUE	Pantothenic acid quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.PANTOTHENIC_ACID_PERCENT	R 1/6	VALUE	Percentage of daily value of pantothenic acid	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.PHOSPHOROUS	R 1/6	VALUE	Phosphorus quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.PHOSPHOROUS_PERCENT	R 1/6	VALUE	Percentage of daily value of phosphorous	
	AN 1/1	UOM	Unit of measure	%



Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.RIBOFLAVIN	R 1/6	VALUE	Riboflavin quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.RIBOFLAVIN_PERCENT	R 1/6	VALUE	Percentage of daily value of riboflavin	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.SELENIUM	R 1/6	VALUE	Selenium quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SELENIUM_PERCENT	R 1/6	VALUE	Percentage of daily value of selenium	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.SILICON	R 1/6	VALUE	Silicon quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.THIAMIN	R 1/6	VALUE	Thiamin quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.THIAMIN_PERCENT	R 1/6	VALUE	Percentage of daily value of thiamin	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.TIN	R 1/6	VALUE	Tin quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.VANADIUM	R 1/6	VALUE	Vanadium quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.VITA	R 1/6	VALUE	Vitamin A quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.VITA_PERCENT	R 1/6	VALUE	Percentage of daily value of Vitamin A	
	AN 1/1	UOM	Unit of measure	%

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.VITB12	R 1/6	VALUE	Percentage of daily value of Vitamin B12	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.VITB12_PERCENT	R 1/6	VALUE	Percentage of daily value of Vitamin B12	
ITEM.NUTRITION.VITB6	R 1/6	VALUE	Vitamin B6 quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.VITB6_PERCENT	R 1/6	VALUE	Percentage of daily value of Vitamin B6	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.VITC	R 1/6	VALUE	Vitamin C quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.VITC_PERCENT	R 1/6	VALUE	Percentage of daily value of Vitamin C	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.VITD	R 1/6	VALUE	Vitamin D quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.VITD_PERCENT	R 1/6	VALUE	Percentage of daily value of Vitamin D	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.VITE	R 1/6	VALUE	Vitamin E quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.VITE_PERCENT	R 1/6	VALUE	Percentage of daily value of Vitamin E	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.VITK	R 1/6	VALUE	Vitamin K quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.VITK_PERCENT	R 1/6	VALUE	Percentage of daily value of Vitamin K	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.ZINC	R 1/6	VALUE	Zinc quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.ZINC_PERCENT	R 1/6	VALUE	Percentage of daily value of zinc	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.OTHER_CARBS	R 1/6	VALUE	Total other carbohydrate quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.PEANUT_FREE	AN 1/1	VALUE	Flag indicates if item is peanut free	Y (yes) N (no)
ITEM.NUTRITION.PHENYLALANIN_FREE	AN 1/1	VALUE	Flag indicates if item is phenylalanine free	Y (yes) N (no)
ITEM.NUTRITION.POLYUNSAT	R 1/6	VALUE	Total polyunsaturated fat quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.POTASSIUM	R 1/6	VALUE	Total potassium quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.POTASSIUM_PERCENT	R 1/6	VALUE	Percentage of daily value of potassium	
	AN 1/1	UOM	Unit of measure	%
ITEM.NUTRITION.REAL_MILK	AN 1/1	VALUE	Flag indicates if item contains real milk	Y (yes) N (no)
ITEM.NUTRITION.RIPE	AN 1/1	VALUE	Flag indicates if item is ripe	Y (yes) N (no)
ITEM.NUTRITION.SACCHARIN_FREE	AN 1/1	VALUE	Flag indicates if item is saccharine free	Y (yes) N (no)
ITEM.NUTRITION.SEASONAL	AN 1/1	VALUE	Flag indicates if item is seasonal	Y (yes) N (no)
ITEM.NUTRITION.SOY_FREE	AN 1/1	VALUE	Flag indicates if item is soy free	Y (yes) N (no)
ITEM.NUTRITION.SPECIAL_ORDER	AN 1/1	VALUE	Flag indicates if item is special order	Y (yes) N (no)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUGAR_ALCOHOL	R 1/6	VALUE	Total sugar alcohol quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.VALUE_PACK	AN 1/1	VALUE	Flag indicates if item is value pack	Y (yes) N (no)
ITEM.NUTRITION.VARIETY_DESCRIPTION	AN 1/255	VALUE	Text description of variety items in a single consumer package	
ITEM.NUTRITION.VEGAN	AN 1/1	VALUE	Flag indicates if item is vegan	Y (yes) N (no)
ITEM.NUTRITION.VEGETARIAN	AN 1/1	VALUE	Flag indicates if item is vegetarian	Y (yes) N (no)
ITEM.NUTRITION.WHEAT_FREE	AN 1/1	VALUE	Flag indicates if item is wheat free	Y (yes) N (no)

### Nutritional Supplements

The following attributes are in the Nutritional Supplements Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.PROPRIETARY_BLEND	R 1/6	VALUE	Proprietary blend quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.PROPRIETARY_BLEND.LIST	AN 1/40	VALUE	List of ingredients in proprietary blend; multiline – up to 20 iterations allowed	
ITEM.NUTRITION.SUPPLEMENT.ALFALFA	R 1/6	VALUE	Total alfalfa quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.AMERICAN_YELLOW_DOCK	R 1/6	VALUE	Total American yellow dock quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.ARTICHOKE	R 1/6	VALUE	Total artichoke quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.ASHWANGANDHA	R 1/6	VALUE	Ashwangandha quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.ASTRAGALUS	R 1/6	VALUE	Total astragalus quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.BILBERRY	R 1/6	VALUE	Total bilberry quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.BLACK_COHOSH	R 1/6	VALUE	Total black cohosh quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.BLACK_WALNUT	R 1/6	VALUE	Total black walnut quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.BOSWELLIA	R 1/6	VALUE	Total boswellia quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.BURDOCK_ROOT	R 1/6	VALUE	Total burdock root quantity	
	AN 2/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.BUTCHERS_BROOM	R 1/6	VALUE	Total butcher's broom quantity	
	AN 1/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.CASCARA_SAGRADA	R 1/6	VALUE	Total cascara sagrada quantity	
	AN 2/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.CATS_CLAW	R I/6	VALUE	Total cats' claw quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.CAYENNE	R I/6	VALUE	Total cayenne quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.CHAMOMILE	R I/6	VALUE	Total chamomile quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.CHICKWEED	R I/6	VALUE	Total chickweed quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.CHLOROPHYLL	R I/6	VALUE	Total chlorophyll quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.CITRIN	R I/6	VALUE	Total citrin quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.CRANBERRY	R I/6	VALUE	Total cranberry quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.DAMIANA	R I/6	VALUE	Total damiana quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.DANDELION	R I/6	VALUE	Total dandelion quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.DEVILS_CLAW	R I/6	VALUE	Total devil's claw quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.DONG_QUAI	R I/6	VALUE	Total dong quai quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.ECHINACEA_ROOT	R I/6	VALUE	Total echinacea root quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.ELDERBERRY	R I/6	VALUE	Total elderberry quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.EYEBRIGHT	R I/6	VALUE	Total eyebright quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.FENUGREEK	R I/6	VALUE	Total fenugreek quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.FEVERFEW	R I/6	VALUE	Total feverfew quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.FO_TI	R I/6	VALUE	Total fo ti quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.GARCINIA_CAMBOGIA	R I/6	VALUE	Total garcinia cambogia quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.GARLIC	R I/6	VALUE	Total garlic quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.GINGER	R I/6	VALUE	Total ginger quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.GINGKO_B ILOBA	R I/6	VALUE	Total ginkgo biloba quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.GINGKO_V IN	R I/6	VALUE	Total ginkgo vin quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.GOLDENSE AL	R I/6	VALUE	Total goldenseal quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.GOTU_KO LA	R I/6	VALUE	Total gotu kola quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.GREEN_TEA_EXTRACT	R I/6	VALUE	Total green tea extract quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.GUARANA	R I/6	VALUE	Total guarana quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.HAWAIIAN _NONI	R I/6	VALUE	Hawaiian noni quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)



Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.HAWTHORN	R I/6	VALUE	Total hawthorn quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.HORSE_CHESTNUT	R I/6	VALUE	Total horse chestnut quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.HORSETAIL	R I/6	VALUE	Total horsetail quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.HUPERZINE_A	R I/6	VALUE	Total huperzine A quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.JUNIPER	R I/6	VALUE	Total juniper quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.KAVA_JOHN	R I/6	VALUE	Total kava john quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.KAVA_KAVA	R I/6	VALUE	Total kava kava quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.KELP	R I/6	VALUE	Total kelp quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.LICORICE	R I/6	VALUE	Total licorice quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.MAITAKE_MUSHROOM	R I/6	VALUE	Total maitake mushroom quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.MILK_THISTLE	R I/6	VALUE	Total milk thistle quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.MULTI_GINSENG	R I/6	VALUE	Total multiple ginseng quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.NETTLE	R I/6	VALUE	Total nettle quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.PANAX_GINSENG	R I/6	VALUE	Total panax ginseng quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.PASSION_FLOWER	R I/6	VALUE	Passion flower quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.PAU_DARCO	R I/6	VALUE	Total pau darco quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.PSYLLIUM	R I/6	VALUE	Total psyllium quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.PYGEUM	R I/6	VALUE	Total pygeum quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.RED_CLOVER	R I/6	VALUE	Total red clover quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.RED_RASPBERRY	R I/6	VALUE	Total red raspberry quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.REISHI_MUSHROOM	R I/6	VALUE	Total reishi mushroom quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.RHUBARB_ROOT	R I/6	VALUE	Total rhubarb root quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.SARSAPARILLA_ROOT	R I/6	VALUE	Total sarsaparilla root quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.SAW_PALMETTO	R I/6	VALUE	Total saw palmetto quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.SCULLCAP	R I/6	VALUE	Total scullcap quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.SENNA	R I/6	VALUE	Total senna quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.SHIITAKE_MUSHROOM	R I/6	VALUE	Total shiitake mushroom quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.SIBERIAN_GINSENG	R I/6	VALUE	Siberian ginseng quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.SLIPPERY_ELM_BARK	R I/6	VALUE	Total slippery elm bark quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.SPIRULINA	R I/6	VALUE	Total spirulina quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.ST_JOHNS_WORT	R I/6	VALUE	Total St. John's wort quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.SUMA	R I/6	VALUE	Total suma quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.THYME	R I/6	VALUE	Total thyme quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.UVA_URSI	R I/6	VALUE	Total uva ursi quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.VALERIAN_ROOT	R I/6	VALUE	Total valerian root quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.VITEX	R I/6	VALUE	Total Vitex quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.NUTRITION.SUPPLEMENT.WHITE_YELLOW	R I/6	VALUE	Total white yellow quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.WILD_YAM	R I/6	VALUE	Total wild yam quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)
ITEM.NUTRITION.SUPPLEMENT.YUCCA	R I/6	VALUE	Total yucca quantity	
	AN I/3	UOM	Unit of measure	g (grams) mg (milligrams) IU (Int'l units) mcg (micrograms)

## Pet Food Attributes

The Pet Food attribute group organizes the pet food attributes.

### Pet Food

The following attributes are in the Pet Food Group.

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
ITEM.PETFOOD.CRUDE_PROTEIN	R I/6	VALUE	Percentage of crude protein	
ITEM.PETFOOD.CRUDE_FAT	R I/6	VALUE	Percentage of crude fat	
ITEM.PETFOOD.CRUDE_FIBER	R I/6	VALUE	Percentage of crude fiber	
ITEM.PETFOOD.CRUDE_MOISTURE	R I/6	VALUE	Percentage of crude moisture	
ITEM.PETFOOD.ASH	R I/6	VALUE	Percentages of ash	
ITEM.PETFOOD.FLAVORS	AN I/80	VALUE	Flavors in item	
ITEM.PETFOOD.COMPLETE_BALANCED	AN I/1	VALUE	Flag indicates if item is labeled completely balanced	Y (yes) N (no)
ITEM.PETFOOD.LOW_CALORIE	AN I/1	VALUE	Flag indicates if item is labeled low calorie	Y (yes) N (no)
ITEM.PETFOOD.REDUCED_CALORIE	AN I/1	VALUE	Flag indicates if item is labeled reduced calories	Y (yes) N (no)
ITEM.PETFOOD.LOW_FAT	AN I/1	VALUE	Flag indicates if item is labeled low fat	Y (yes) N (no)
ITEM.PETFOOD.SKIN	AN I/1	VALUE	Flag indicates if packaging asserts that item benefits skin	Y (yes) N (no)
ITEM.PETFOOD.COAT	AN I/1	VALUE	Flag indicates if packaging asserts that item benefits coat	Y (yes) N (no)
ITEM.PETFOOD.HAIRBALL	AN I/1	VALUE	Flag indicates if packaging asserts that item assists digestion of hairballs	Y (yes) N (no)
ITEM.PETFOOD.TARTAR_CONTROL	AN I/1	VALUE	Flag indicates if item is labeled provides tartar control	Y (yes) N (no)



- <http://kb.indiana.edu/data/aepm.html>
- <http://www.w3.org/PICS/refcode/Parser/javadocs/w3c.tools.codec.Base64Encoder.html>
- <http://www.gmu.edu/mlnavbar/webdev/doc-python/lib/module-base64.html>
- Each image file must be associated with an image description attribute (for example, MEDIA.THUMB.FIRST.DESCRPTION) and an image file name attribute (for example, MEDIA.THUMB.FIRST.FILENAME). The file extension is optional in the file name field.

## SAMPLE:

```
<PARAM NAME=" ATTRIBUTE_NAME"  
ATTRIBUTE_NAME=" MEDIA. THUMB. FI RST. DESCR PTI ON" VALUE=" TOP ANGLE VI EW  
TOASTER 111" />  
<ATTRIBUTE NAME=" MEDIA. THUMB. FI RST. FI LENAME" VALUE=" TOASTER111 I MAGE  
THUMB. GI F" />
```

**Media**

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
MEDIA.IMAGE_TYPE	ID 2/2	VALUE	The type of image	SI ( <i>still image</i> )
MEDIA.PURPOSE	ID 3/3	VALUE	Indicates the intended use of the image. For example, Internet image.	INT ( <i>Internet image</i> )
MEDIA.IMAGE_ORIENTATION	ID 3/3	VALUE	The orientation of the image - the side of the image that is facing the you	PRI ( <i>primary</i> ) VFI ( <i>VF one</i> ) ( <i>front</i> ) VIK ( <i>back</i> ) VIS ( <i>side</i> ) SDL ( <i>side left</i> ) SDR ( <i>side right</i> ) VIB ( <i>bottom</i> ) VIT ( <i>top</i> )
MEDIA.IMAGE_FILE_TYPE	ID 3/3	VALUE	The storage format of the image.	JPG ( <i>.jpg</i> )
MEDIA.LOCATION_TYPE	ID 3/3	VALUE	The code that identifies the type of image	URL FTP LMI ACL
MEDIA.LOCATION	AN 1/264	VALUE	The location of the image	URL location FTP pull location LMI path, local media identifier, such as CD path ACL Application Transaction Reference Number (TS102 reference number)
MEDIA.FILE_NAME	AN 1/64	VALUE	The image file name MEDIA FILE_NAME is required when MEDIA.LOCATION_TYPE is URL, FTP, or LMI (local media identifier). MEDIA FILE_NAME is not specified when MEDIA.LOCATION_TYPE is ACL.	
MEDIA.FACING_INDICATOR	ID 1/1	VALUE	The face of the item captured by the image	1 ( <i>front</i> ) 2 ( <i>left</i> ) 3 ( <i>top</i> ) 7 ( <i>back</i> ) 8 ( <i>right</i> ) 9 ( <i>bottom</i> )



Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
MEDIA.DESCRPTION	AN 1/1000	VALUE	Description of the image. For example, - Single shoe - Multiple shoes - Shoes of all colors in 1 image Whether the image shows the product in or out of its packaging should be included here, if desired.	
MEDIA.IMAGE_STYLE	ID 3/3	VALUE	Indicates that the swatch is either a color swatch or an image of an actual product	CSW ( <i>color swatch</i> ) PRO ( <i>product</i> )
MEDIA.ANGLE	N0 1/1	VALUE	One-digit numeric value representing the combination of plunge+rotation	1 ( <i>center; no plunge angle</i> ) 2 ( <i>left; no plunge angle</i> ) 3 ( <i>right; no plunge angle</i> ) 7 ( <i>center; plunge angle present</i> ) 8 ( <i>left; plunge angle present</i> ) 9 ( <i>right; plunge angle present</i> )
MEDIA.PIXEL_DENSITY	N0 1/6	VALUE	Pixel density of the image in dots per inch (dpi)	72
MEDIA.FILE_SIZE	N0 1/20	VALUE	Compressed file size of the image in bytes	128000
MEDIA.IMAGE_HEIGHT	N0 1/6	VALUE	Height of the image in pixels	2400
MEDIA.IMAGE_WIDTH	N0 1/6	VALUE	Width of the image in pixels	2400
MEDIA.CLIPPING_PATH	AN 1/80	VALUE	The value of the clipping path	
MEDIA.THUMB.FIRST.FILE	AN 1/4000	VALUE	First thumbnail image file as a BASE64-encoded string	
MEDIA.THUMB.FIRST.FILENAME	AN 1/255	VALUE	Name of image file for the first thumbnail image	
MEDIA.THUMB.FIRST.DESCRPTION	AN 1/255	VALUE	Description of first thumbnail image	
MEDIA.THUMB.SECOND.FILE	AN 1/4000	VALUE	Second thumbnail image file as BASE64-encoded string	
MEDIA.THUMB.SECOND.FILENAME	AN 1/255	VALUE	Name of image file for the second thumbnail image	
MEDIA.THUMB.SECOND.DESCRPTION	AN 1/255	VALUE	Description of second thumbnail image	
MEDIA.THUMB.THIRD.FILE	AN 1/4000	VALUE	Third thumbnail image file as a BASE64-encoded string	
MEDIA.THUMB.THIRD.FILENAME	AN 1/255	VALUE	Name of image file for the third thumbnail image	
MEDIA.THUMB.THIRD.DESCRPTION	AN 1/255	VALUE	Description of third thumbnail image	

Attribute Name	Data Type	Attribute Value	Description	Acceptable Values
MEDIA.THUMB.FOURTH.FILE	AN I/4000	VALUE	Fourth thumbnail image file as a BASE64-encoded string	
MEDIA.THUMB.FOURTH.FILENAME	AN I/255	VALUE	Name of image file for the fourth thumbnail image	
MEDIA.THUMB.FOURTH.DESCRPTION	AN I/255	VALUE	Description of fourth thumbnail image	
MEDIA.FULL.FIRST.FILE	AN I/4000	VALUE	First full-size image file as a BASE64-encoded string	
MEDIA.FULL.FIRST.FILENAME	AN I/255	VALUE	Name of image file for the first full-size image	
MEDIA.FULL.FIRST.DESCRPTION	AN I/255	VALUE	Description of first full-size image	
MEDIA.FULL.SECOND.FILE	AN I/4000	VALUE	Second full-size image file as a BASE64-encoded string	
MEDIA.FULL.SECOND.FILENAME	AN I/255	VALUE	Name of image file for the second full-size image	
MEDIA.FULL.SECOND.DESCRPTION	AN I/255	VALUE	Description of second full-size image	
MEDIA.FULL.THIRD.FILE	AN I/4000	VALUE	Third full-size image file as a BASE64-encoded string	
MEDIA.FULL.THIRD.FILENAME	AN I/255	VALUE	Name of image file for the third full-size image	
MEDIA.FULL.THIRD.DESCRPTION	AN I/255	VALUE	Description of third full-size image	
MEDIA.FULL.FOURTH.FILE	AN I/4000	VALUE	Fourth full-size image file as a BASE64-encoded string	
MEDIA.FULL.FOURTH.FILENAME	AN I/255	VALUE	Name of image file for the fourth full-size image	
MEDIA.FULL.FOURTH.DESCRPTION	AN I/255	VALUE	Description of fourth full-size image	

## System-Generated Attributes

The following attributes are generated internally by GXS Active Catalogue. System-generated attributes appear in qXML response documents and exports.

Attribute Name	Description
ACCOUNT.TOTAL_SEL_CODES	Number of Selection Codes in vendor catalogue
ACCOUNT.TOTAL_PRODUCTS	Number of Products in vendor catalogue
ACCOUNT.TOTAL_ITEMS	Number of GTINs in vendor catalogue
ACCOUNT.SUBSCRIPTION_DATE	Date the account subscribed to GXS Active Catalogue
ACCOUNT.CATALOG_UPDATE	Date vendor catalogue was last updated
HIERARCHY.SELECTION.TOTAL_PRODUCTS	Number of Products under the associated Selection Code
HIERARCHY.SELECTION.TOTAL_ITEMS	Number of GTINs under the associated Selection Code
HIERARCHY.PRODUCT.TOTAL_ITEMS	Number of GTINs under the associated Product
HIERARCHY.PRODUCT_CREATE_DATE	Date the Product was created

Attribute Name	Description
HIERARCHY.PRODUCT.LAST_UPDATE_DATE	Date the Product was last updated
ITEM.PREPACK_COMPONENT.QUANTITY	Number of components in the associated container (i.e., prepack or parent item)
ITEM.LAST_UPDATE_DATE	Date the GTIN was last updated

### Derived Attributes

The following attributes are derived by the system, based on the existence of a value for another attribute. You do not need to maintain these attributes; the system automatically generates a new value if there is a change to the value of the attribute it depends on.

Attribute Name	Description	Basis for Derivation
ITEM.TAX.TYPE.DESCRPTION	System generated description of the tax type code; multiline	Derived from description associated with Tax Type value in List.
ITEM.COMPONENT.TOTAL_COMPONENTS	Total number of unique component GTINs contained in the current item	Calculated as the total number of unique component GTINs.
ITEM.COMPONENT.TOTAL_QUANTITY	Sum of the quantity of all components contained in the current item	Calculated as the sum of the quantity values given for all components.
ITEM.CLASSIFICATION.LEVEL_ONE.DEFINITION	System generated based on definition associated with level one value in list; multiline	Derived from the definition associated with level-one value in List.
ITEM.CLASSIFICATION.ATTRIBUTE.VALUE.DESCRPTION	Description of the EAN.UCC classification attribute value	Derived from the description associated with Attribute Value in List.
ITEM.WARRANTY	Flag indicates if product has a warranty	Derived as Y based on the existence of value for either ITEM.WARRANTY_DESC or ITEM.WARRANTY.URL.
ITEM.CONSUMER_PACKAGE.PEG	Flag indicates whether or not the consumer item is to be displayed on a peg	Derived as Y based on the existence of values for ITEM.CONSUMER_PACKAGE.PEG.HORIZONTAL and ITEM.CONSUMER_PACKAGE.PEG.VERTICAL
ITEM.HANGER	Flag indicates whether or not the consumer item is to be supplied on a hanger	Derived as Y based on the existence of value for ITEM.HANGER.TYPE
ITEM.MASTER_PACK_PACKAGING.TYPE.DESCRPTION	Description of masterpack or case packaging type	Derived from the description associated with Packaging Type Code value specified for ITEM.MASTER_PACK_PACKAGING_TYPE

Attribute Name	Description	Basis for Derivation
ITEM.UNIT_COST.ONPROMOTION	Indicates whether or not a single line of the unit cost multiline attribute ITEM.UNIT_COST meets the criteria for 'on promotion.'	Derived as Y based on all of the following criteria being true within a single line of the unit cost multiline attribute: <ul style="list-style-type: none"> <li>■ ITEM.UNIT_COST.EFFECTIVE_DATE is populated</li> <li>■ ITEM.UNIT_COST.EXPIRATION_DATE is populated</li> <li>■ Private account is populated with the requestors account id or no private account</li> <li>■ The current date is between the effective and expiration dates</li> </ul>
ITEM.ONPROMOTION	Indicates whether at least one ITEM.UNIT_COST.ONPROMOTION multilines is yes.	Derived as Y based on the existence of criteria defining whether at least one line line of the multiline ITEM.UNIT_COST is 'on promotion.'

This chapter describes the compliance checks that are available in GXS Active Catalogue and provides details about the validation rules that comprise each check. Compliance checks are a way to validate Catalogue data according to a set of pre-determined rules. They can be used to enforce industry standards and may be mandated by your Trading Partners.

GXS Active Catalogue can perform several different compliance checks. The compliance checks that are available to your account are determined by your GXS administrator. Options are available if you want to be notified of non-compliant data. For more information about compliance check options and their configuration, see the *GXS Active Catalogue Browser User Interface Guide*.

The following compliance checks are available:

- **Item Maintenance Compatibility** — verifies that an item is compliant with specific rules, as follows:
  - Item identifiers of type EO are not allowed
  - 14-digit UK item identifiers must start with 0
  - Items with the following prepack types are not allowed: CA, DS, IP, MX, PL
- **GMA Compliance** — verifies that an item is compliant with GM&A (General Merchandise and Apparel) industry standards
- **Prefix Validation** — verifies that an item's GTIN begins with a GS1 (UCC/EAN) company prefix (also called Manufacturer Block ID) that is associated with your account. *Not available to distributors.*
- **Product Description Uniqueness** — verifies that an item's Product Description is unique across all products within your catalogue.

## Item Maintenance Compatibility

GXS Active Catalogue vendors and distributors can use the Item Maintenance Compatibility compliance check to verify that an item is compliant with specific rules, as follows:

- Item identifiers of type EO are not allowed
- 14-digit UK item identifiers must start with 0
- Items with the following prepack types are not allowed: CA, DS, IP, MX, PL

For this compliance check, Catalogue validates the item's GTIN information (the qXML parameters ITEM\_NUMBER\_TYPE and ITEM\_NUMBER) and the item's prepack code (ITEM.PREPACK\_CODE) according to the rules shown in the following tables. An item passes the compliance check only if it passes all GTIN rules and prepack code rules.

### GTIN Rules

An item <b>PASSES</b> the compliance check if:	An item <b>FAILS</b> the compliance check if:
<ul style="list-style-type: none"> <li>■ The GTIN Type is UCC-12 (UP)</li> <li>■ The GTIN Type is EAN-13 (EN)</li> <li>■ The GTIN Type is GTIN-14 (UK) and the leading digit is zero</li> </ul>	<ul style="list-style-type: none"> <li>■ The GTIN Type is EAN-8 (EO)</li> <li>■ The GTIN Type is GTIN-14 (UK) and the leading digit is not zero</li> </ul>

### Prepack Code Rules

An item <b>PASSES</b> the compliance check if:	An item <b>FAILS</b> the compliance check if:
<ul style="list-style-type: none"> <li>■ ITEM.PREPACK_CODE is one of the following:               <ul style="list-style-type: none"> <li>■ <i>blank</i></li> <li>■ MP</li> <li>■ PC</li> <li>■ PP</li> <li>■ PU</li> <li>■ SP</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>■ ITEM.PREPACK_CODE is one of the following:               <ul style="list-style-type: none"> <li>■ CA</li> <li>■ DS</li> <li>■ IP</li> <li>■ MX</li> <li>■ PL</li> </ul> </li> </ul>

## GMA Compliance

GXS Active Catalogue vendors and distributors can use the GMA Compliance check to verify that an item is compliant with GM&A industry standards.

For this compliance check, Catalogue validates the item's NRF color and size codes (ITEM.NRF\_COLOR\_CODE and ITEM.NRF\_SIZE\_CODE) and descriptions (ITEM.NRF\_COLOR\_CODE\_DESCRIPTION and ITEM.NRF\_SIZE\_CODE\_DESCRIPTION) and the item's prepack code (ITEM.PREPACK\_CODE) according to the rules shown in the following table.

### Color and Size Codes and Descriptions Rules

An item <b>PASSES</b> the compliance check if:	An item <b>FAILS</b> the compliance check if:
<ul style="list-style-type: none"> <li>■ Both color code and color description are present</li> <li>■ Color code is exactly 3 digits (no spaces)</li> <li>■ For color code equal to 000, color description is NO COLOR</li> <li>■ For color description equal to NO COLOR, color code is 000</li> <li>■ For ITEM.PREPACK_CODE equal to PP or <i>blank</i>, size code starts with 1-8; exception is 00000 for NO SIZE</li> <li>■ For ITEM.PREPACK_CODE equal to CA, DS, IP, MP, MX, PC, PL, PU, SP, size code starts with 9; exception is 00000 for NO SIZE</li> <li>■ Both size code and size description are present</li> <li>■ For size code equal to 00000, size description is NO SIZE</li> <li>■ For size description equal to NO SIZE, size code is 00000</li> </ul>	<ul style="list-style-type: none"> <li>■ Different color codes under a single Product have the same color description</li> <li>■ A single color code under a single Product has two different color descriptions</li> <li>■ Once the value is set (populated), color code is changed</li> <li>■ Different size codes under a single Product have the same size description</li> <li>■ A single size code under a single Product has two different size descriptions</li> <li>■ Once the value is set (populated), size code is changed</li> <li>■ Two of the same type of GTIN exist under the same Product with the same color and size codes</li> </ul>

## Prefix Validation

GXS recommends that Catalogue vendors use the Prefix Validation compliance check to verify that an item’s GTIN begins with a company prefix that is associated with their account. This compliance check is not available to distributors.

**Note:** Check your GS1 company prefixes to be sure that they are valid. GXS does not recommend using invalid GS1 company prefixes, as it may result in chargebacks from some of your retailers.

To view your GS1 (UCC/EAN) company prefixes, go to **Account > Account Details** and click the **GS1 (UCC/EAN) Company Prefixes** tab.

This compliance check can be applied to all UCC-12 (UP), EAN-13 (EN), and GTIN-14 (UK) items that are added using any of the Catalogue interfaces. It is not applied to EAN-8 (EO) or UPC/EAN Case Code (UA) items.

Be aware of the following:

- If the Prefix Validation compliance check is turned on (both the “Enable compliance check” and “Reject non-compliant data” check boxes are selected”) and a GTIN uses a GS1 company prefix that is not associated with your account, you cannot add or modify the GTIN (the prefix is part of the GTIN number).
- If the Prefix Validation compliance check is turned off, a GTIN using a GS1 company prefix that is not associated with your account can be added or modified (resulting in non-compliant data).

## Product Description Uniqueness

GXS Active Catalogue vendors and distributors can use the Product Description Uniqueness compliance check to verify that an item’s description is unique across all products within their catalogue.

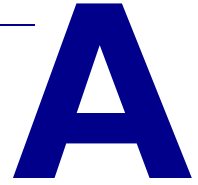
For this compliance check, Catalogue validates the item’s Product Description (HIERARCHY.PRODUCT\_DESCRIPTION) according to the rules shown in the following table.

### Product Description Rules

An item <b>PASSES</b> the compliance check if:	An item <b>FAILS</b> the compliance check if:
<ul style="list-style-type: none"> <li>■ The item’s Product Description value is unique across all Products within your catalogue</li> </ul>	<ul style="list-style-type: none"> <li>■ The item’s Product Description value is <i>not</i> unique across all Products within your catalogue</li> </ul>



# Unit of Measure (UOM) Codes



This appendix contains tables of code values to use with attributes that define dimensions. This appendix is organized in the following sections:

- “Miscellaneous UOMs”
- “Weight UOMs” on page 85
- “Length, Width, Height, and Diameter UOMs” on page 86
- “Volume UOMs” on page 87

## Miscellaneous UOMs

Vendors use these codes for the following data attributes (parentheses specify where to use the code):

- ITEM.INVOICED\_UNIT\_OF\_MEASURE (VALUE)
- ITEM.ALTERNATE\_UNIT\_OF\_MEASURE (VALUE)
- ITEM.CONSUMER\_PACKAGING.MATERIAL.QUANTITY
- ITEM.CONSUMER\_PACKAGE\_SIZE (UOM)
- ITEM.INNER\_PACK\_PACKAGING.MATERIAL.QUANTITY
- ITEM.MASTER\_PACK\_PACKAGING.MATERIAL.QUANTITY
- ITEM.ORDER\_SIZING\_FACTOR

Value	Description	Value	Description
I2	Packet	HC	Hundred count
I5	Stick	HD	Hundred
AF	Centigram (a unit of metric weight equal to 0.01 gram or 0.000035 ounce)	HL	Hundred Feet - Linear
AS	Assortment	IN	Inch
AV	A compact metallic or plastic container for liquids or solids	JR	Jar
BG	Bag	KE	Keg (a unit of weight equal to 100 pounds, used for nails)

Value	Description (Continued)	Value	Description (Continued)
BI	Bar (a centimeter-gram-second unit of pressure, equal to one million dynes per square centimeter)	KG	Kilogram
BO	Bottle	LB	Pound
BR	Barrel	LT	Liter
BU	Bushel (32 dry quarts)	ME	Milligram
BX	Box	ML	Milliliter
C3	Centiliter	MM	Millimeter
CA	Case	MR	Meter
CC	Cubic Centimeter	OP	Two pack
CF	Cubic Feet	OZ	Ounce - Av
CH	Container	P3	Three pack
CI	Cubic Inches	P4	Four-pack
CM	Centimeter	P5	Five-pack
CN	Can	P6	Six pack
CR	Cubic Meter	P7	Seven pack
CS	Cassette	P8	Eight-pack
CT	Carton	P9	Nine pack
CU	Cup	PC	Piece
CY	Cubic Yard	PK	Package
DG	Decigram	PL	Pallet/Unit Load
DL	Deciliter	PR	Pair
DM	Decimeter	PT	Pint
DS	Display	PY	Peck, Dry U.S.
DZ	Dozen	QT	Quart
EA	Each	RL	Roll
EP	Eleven pack	ST	Set
FO	Fluid Ounce	TH	Thousand
FT	Foot	TP	Ten-pack
GA	Gallon	U2	Tablet (a compressed or molded block of solid material; a collection of sheet paper glued together at one edge)
GR	Gram	YD	Yard
GS	Gross	<i>blank</i>	None specified

## Weight UOMs

Vendors use one of these codes as the UOM value for the following weight attributes:

- ITEM.CONSUMER\_PACKAGE\_WEIGHT (gross weight of package)
- ITEM.CONSUMER\_ITEM\_WEIGHT (net weight)
- ITEM.CONSUMER\_ITEM.WEIGHT.DRAINED

- ITEM.INNER\_PACK\_WEIGHT
- ITEM.INNER\_PACK.WEIGHT.NET
- ITEM.MASTER\_PACK\_WEIGHT
- ITEM.MASTER\_PACK\_WEIGHT.NET
- ITEM.PALLET\_WEIGHT
- ITEM.PALLET.WEIGHT.NET
- ITEM.STACKING\_WEIGHT.MAXIMUM

Value	Description
GR	Gram
KG	Kilogram
LB	Pound
OZ	Ounce
<i>blank</i>	None specified

### Length, Width, Height, and Diameter UOMs

Vendors use one of these codes as the value for the following length, width, height and diameter attributes:

- ITEM.CONSUMER\_ITEM\_LENGTH
- ITEM.CONSUMER\_ITEM\_WIDTH
- ITEM.CONSUMER\_ITEM\_HEIGHT
- ITEM.CONSUMER\_ITEM.DIAMETER
- ITEM.ITEM\_CLEARANCE\_LENGTH
- ITEM.ITEM\_CLEARANCE\_WIDTH
- ITEM.ITEM\_CLEARANCE\_HEIGHT
- ITEM.CONSUMER\_PACKAGE\_LENGTH
- ITEM.CONSUMER\_PACKAGE\_WIDTH
- ITEM.CONSUMER\_PACKAGE\_HEIGHT
- ITEM.CONSUMER\_PACKAGE.PEG.HORIZONTAL
- ITEM.CONSUMER\_PACKAGE.PEG.VERTICAL
- ITEM.INNER\_PACK\_LENGTH
- ITEM.INNER\_PACK\_WIDTH
- ITEM.INNER\_PACK\_HEIGHT
- ITEM.MASTER\_PACK\_LENGTH
- ITEM.MASTER\_PACK\_WIDTH
- ITEM.MASTER\_PACK\_HEIGHT
- ITEM.NESTING\_INCREMENT

- ITEM.PALLET\_LENGTH
- ITEM.PALLET\_WIDTH
- ITEM.PALLET\_HEIGHT

Value	Description
CM	Centimeter
DM	Decimeter
FT	Foot
IN	Inch
MM	Millimeter
MR	Meter
YD	Yard
<i>blank</i>	None specified

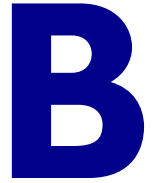
## Volume UOMs

Vendors use one of these codes as the UOM value for the following volume attributes:

- ITEM.CONSUMER\_ITEM\_VOLUME
- ITEM.CONSUMER\_PACKAGE\_VOLUME
- ITEM.INNER\_PACK\_VOLUME
- ITEM.MASTER\_PACK\_VOLUME
- ITEM.PALLET\_VOLUME

Value	Description
CC	Cubic centimeter
CF	Cubic feet
CI	Cubic inch
CR	Cubic meter
CY	Cubic yard
FO	Fluid ounce
GA	Gallon
LT	Liter
PT	Pint
QT	Quart
ML	Milliliter
CL	Centiliter
DL	Deciliter
<i>blank</i>	None specified

# Packaging Codes



This appendix contains tables of code values to use with attributes that define GTIN packaging. This appendix is organized in the following sections:

- “Packaging Configuration Codes” on page 88
- “Packaging Material Codes” on page 89
- “Packaging Type Codes ” on page 89

## Packaging Configuration Codes

Vendors use one of these codes as the value for the following attribute:

- ITEM.MASTER\_PACK\_PACKAGING\_CONFIGURATION

Value	Description
01	Carton
02	Carton, hanging garments
03	Carton, with hanger
04	Carton, with identifiable inner packs
05	Carton, with unidentifiable inner packs
06	Rack, hanging garments (GOH)
CL	Clamp
FF	Folded flat
FL	Forklift
HF	On hangers, folded flat
KD	Knocked down
KF	Knocked down flat
NN	Not nested
NS	Nested
RI	Re-shippable inner pack
RL	Roll
SU	Set up
<i>blank</i>	None specified

## Packaging Material Codes

Vendors use one of these codes as the value for the following attributes:

- ITEM.CONSUMER\_PACKAGING\_MATERIAL
- ITEM.INNER\_PACK\_PACKAGING\_MATERIAL
- ITEM.MASTER\_PACK\_PACKAGING\_MATERIAL

Value	Description
25	Corrugated or solid (does not require repackaging for shipment)
31	Fiber (usually requires repackaging for shipment)
43	Glass
58	Metal
79	Plastic
94	Wood
<i>blank</i>	None specified

## Packaging Type Codes

Vendors use one of these codes as the value for the following attributes:

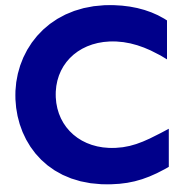
- ITEM.CONSUMER\_PACKAGING\_TYPE
- ITEM.INNER\_PACK\_PACKAGING\_TYPE
- ITEM.MASTER\_PACK\_PACKAGING\_TYPE

Value	Description
BAG	Bag
BAL	Bale
BBL	Barrel
BDL	Bundle
BLK	Bulk
BOT	Bottle
BOX	Box, carton
BXI	Box, with inner container
CAN	Can
CAS	Case
COL	Coil
CRT	Crate
DRM	Drum
JAR	Jar
KEG	Keg
LNR	Liners (any material that separates a product within a container from the basic walls of the container)
LSE	Loose
PAL	Pail
PKG	Package, card, or blister card

Value	Description (Continued)
PLT	Pallet
REL	Reel
ROL	Roll
SPL	Spool
TBE	Tube
TNK	Tank
TRY	Tray
WLC	Wheeled carrier
WRP	Wrapped
<i>blank</i>	None specified

---

# Country, State, and Province Codes



This appendix contains the codes with which to indicate country, U.S. state, and Canadian province. This appendix is organized in the following sections:

- “Country Codes”
- “U.S. State Codes” on page 98
- “Canadian Province Codes” on page 99

## Country Codes

There are two formats for country codes, alpha and numeric. Vendors must use the correct format for a data attribute. The lists below indicate the attributes that require alpha and numeric codes.

Vendors use the International Standards Organization (ISO) alpha country codes below to specify countries in the following data attributes:

- ACCOUNT.COMPANY\_COUNTRY
- ITEM.SHIP\_FROM.COUNTRY
- ITEM.ORIGIN\_COUNTRY
- ITEM.ASSEMBLY\_COUNTRY

Vendors use the International Standards Organization (ISO) numeric country codes below to specify countries in the following data attribute:

- ITEM.TARGET\_MARKET.COUNTRY

Country Name	Alpha Code	Numeric Code
AFGHANISTAN	AFG	004
ALBANIA	ALB	008
ALGERIA	DZA	012
AMERICAN SAMOA	ASM	016
ANDORRA	AND	020
ANGOLA	AGO	024





Country Name (Continued)	Alpha Code	Numeric Code
ANGUILLA	AIA	660
ANTARCTICA	ATA	010
ANTIGUA AND BARBUDA	ATG	028
ARGENTINA	ARG	032
ARMENIA	ARM	051
ARUBA	ABW	533
AUSTRALIA	AUS	036
AUSTRIA	AUT	040
AZERBAIJAN	AZE	031
BAHAMAS	BHS	044
BAHRAIN	BHR	048
BANGLADESH	BGD	050
BARBADOS	BRB	052
BELARUS	BLR	112
BELGIUM	BEL	056
BELIZE	BLZ	084
BENIN	BEN	204
BERMUDA	BMU	606
BHUTAN	BTN	064
BOLIVIA	BOL	068
BOSNIA AND HERZEGOWINA	BIH	070
BOTSWANA	BWA	072
BOUVET ISLAND	BVT	074
BRAZIL	BRA	076
BRITISH INDIAN OCEAN TERRITORY	IOT	086
BRUNEI DARUSSALAM	BRN	096
BULGARIA	BGR	100
BURKINA FASO	BFA	854
BURUNDI	BDI	108
CAMBODIA	KHM	116
CAMEROON	CMR	120
CANADA	CAN	124
CAPE VERDE	CPV	132
CAYMAN ISLANDS	CYM	136
CENTRAL AFRICAN REPUBLIC	CAF	140
CHAD	TCD	148
CHILE	CHL	152
CHINA	CHN	156
CHRISTMAS ISLAND	CXR	162
COCOS (KEELING) ISLANDS	CCK	166
COLOMBIA	COL	170

Country Name (Continued)	Alpha Code	Numeric Code
COMOROS	COM	174
CONGO	COG	178
CONGO (ZAIRE), THE DEMOCRATIC REPUBLIC OF THE	COD	180
COOK ISLANDS	COK	184
COSTA RICA	CRI	188
COTE D'IVOIRE	CIV	384
CROATIA (local name: Hrvatska)	HRV	191
CUBA	CUB	192
CYPRUS	CYP	196
CZECH REPUBLIC	CZE	203
DENMARK	DNK	208
DJIBOUTI	DJI	262
DOMINICA	DMA	212
DOMINICAN REPUBLIC	DOM	214
EAST TIMOR	TMP	626
ECUADOR	ECU	218
EGYPT	EGY	818
EL SALVADOR	SLV	222
EQUATORIAL GUINEA	GNQ	226
ERITREA	ERI	232
ESTONIA	EST	233
ETHIOPIA	ETH	231
FALKLAND ISLANDS (MALVINAS)	FLK	238
FAROE ISLANDS	FRO	234
FIJI	FJI	242
FINLAND	FIN	246
FRANCE	FRA	250
FRENCH GUIANA	GUF	254
FRENCH POLYNESIA	PYF	258
FRENCH SOUTHERN TERRITORIES	ATF	260
GABON	GAB	266
GAMBIA	GMB	270
GEORGIA	GEO	268
GERMANY	DEU	276
GHANA	GHA	288
GIBRALTAR	GIB	292
GREECE	GRC	300
GREENLAND	GRL	304
GRENADA	GRD	308
GADELOUPE	GLP	312



Country Name (Continued)	Alpha Code	Numeric Code
GUAM	GUM	316
GUATEMALA	GTM	320
GUINEA	GIN	324
GUINEA-BISSAU	GNB	624
GUYANA	GUY	328
HAITI	HTI	332
HEARD AND MCDONALD ISLANDS	HMD	334
HONDURAS	HND	340
HONG KONG	HKG	344
HUNGARY	HUN	348
ICELAND	ISL	352
INDIA	IND	356
INDONESIA	IDN	360
IRAN (ISLAMIC REPUBLIC OF)	IRN	364
IRAQ	IRQ	368
IRELAND	IRL	372
ISRAEL	ISR	376
ITALY	ITA	380
JAMAICA	JAM	388
JAPAN	JPN	392
JORDAN	JOR	400
KAZAKHSTAN	KAZ	398
KENYA	KEN	404
KIRIBATI	KIR	296
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	PRK	408
KOREA, REPUBLIC OF	KOR	410
KUWAIT	KWT	414
KYRGYZSTAN	KGZ	417
LAO PEOPLE'S DEMOCRATIC REPUBLIC	LAO	418
LATVIA	LVA	428
LEBANON	LBN	422
LESOTHO	LSO	426
LIBERIA	LBR	430
LIBYAN ARAB JAMAHIRIYA	LBY	434
LIECHTENSTEIN	LIE	438
LITHUANIA	LTU	440
LUXEMBOURG	LUX	442
MACAU	MAC	446
MACEDONIA, FORMER YUGOSLAV REPUBLIC OF	MKD	807
MADAGASCAR	MDG	450

Country Name (Continued)	Alpha Code	Numeric Code
MALAWI	MWI	454
MALAYSIA	MYS	458
MALDIVES	MDV	462
MALI	MLI	466
MALTA	MLT	470
MARSHALL ISLANDS	MHL	584
MARTINIQUE	MTQ	474
MAURITANIA	MRT	478
MAURITIUS	MUS	480
MAYOTTE	MYT	175
MEXICO	MEX	484
MICRONESIA, FEDERATED STATES OF	FSM	583
MOLDOVA, REPUBLIC OF	MDA	498
MONACO	MCO	492
MONGOLIA	MNG	496
MONTSERRAT	MSR	500
MOROCCO	MAR	504
MOZAMBIQUE	MOZ	508
MYANMAR	MMR	104
NAMIBIA	NAM	516
NAURU	NRU	520
NEPAL	NPL	524
NETHERLANDS	NLD	528
NETHERLANDS ANTILLES	ANT	530
NEW CALEDONIA	NCL	540
NEW ZEALAND	NZL	554
NICARAGUA	NIC	558
NIGER	NER	562
NIGERIA	NGA	566
NIUE	NIU	570
NORFOLK ISLAND	NFK	574
NORTHERN MARIANA ISLANDS	MNP	580
NORWAY	NOR	578
OMAN	OMN	512
PAKISTAN	PAK	586
PALAU	PLW	585
PALESTINIAN TERRITORY, OCCUPIED	PSE	275
PANAMA	PAN	591
PAPUA NEW GUINEA	PNG	598
PARAGUAY	PRY	600
PERU	PER	604



Country Name (Continued)	Alpha Code	Numeric Code
PHILIPPINES	PHL	608
PITCAIRN	PCN	612
POLAND	POL	616
PORTUGAL	PRT	620
PUERTO RICO	PRI	630
QATAR	QAT	634
REUNION	REU	638
ROMANIA	ROU	642
RUSSIAN FEDERATION	RUS	643
RWANDA	RWA	646
SAINT HELENA	SHN	654
SAINT KITTS AND NEVIS	KNA	659
SAINT LUCIA	LCA	662
ST. PIERRE AND MIQUELON	SPM	666
SAINT VINCENT AND THE GRENADINES	VCT	670
SAMOA	WSM	882
SAN MARINO	SMR	674
SAO TOME AND PRINCIPE	STP	678
SAUDI ARABIA	SAU	682
SENEGAL	SEN	686
SEYCHELLES	SYC	690
SIERRA LEONE	SLE	694
SINGAPORE	SGP	702
SLOVAKIA (Slovak Republic)	SVK	703
SLOVENIA	SVN	705
SOLOMON ISLANDS	SLB	090
SOMALIA	SOM	706
SOUTH AFRICA	ZAF	710
SOUTH GEORGIA AND SOUTH SANDWICH ISLANDS	SGS	239
SPAIN	ESP	724
SRI LANKA	LKA	144
SUDAN	SDN	736
SURINAME	SUR	740
SVALBARD AND JAN MAYEN ISLANDS	SJM	744
SWAZILAND	SWZ	748
SWEDEN	SWE	752
SWITZERLAND	CHE	756
SYRIAN ARAB REPUBLIC	SYR	760
TAIWAN, PROVINCE OF CHINA	TWN	158
TAJIKISTAN	TJK	762

Country Name (Continued)	Alpha Code	Numeric Code
TANZANIA, UNITED REPUBLIC OF	TZA	834
THAILAND	THA	764
TOGO	TGO	768
TOKELAU	TKL	772
TONGA	TON	776
TRINIDAD AND TOBAGO	TTO	780
TUNISIA	TUN	788
TURKEY	TUR	792
TURKMENISTAN	TKM	795
TURKS AND CAICOS ISLANDS	TCA	796
TUVALU	TUV	798
UGANDA	UGA	800
UKRAINE	UKR	804
UNITED ARAB EMIRATES	ARE	784
UNITED KINGDOM	GBR	826
UNITED STATES	USA	840
UNITED STATES MINOR OUTLYING ISLANDS	UMI	581
URUGUAY	URY	858
UZBEKISTAN	UZB	860
VATICAN CITY STATE (HOLY SEE)	VAT	548
VANUATU	VUT	336
VENEZUELA	VEN	862
VIET NAM	VNM	704
VIRGIN ISLANDS (BRITISH)	VGB	092
VIRGIN ISLANDS (U.S.)	VIR	850
WALLIS AND FUTUNA ISLANDS	WLF	876
WESTERN SAHARA	ESH	732
YEMEN	YEM	887
YUGOSLAVIA	YUG	891
ZAMBIA	ZMB	894
ZIMBABWE	ZWE	716
None specified	<i>blank</i>	



## Target Market Subdivision Codes

The Target Market Subdivision Code is the secondary code of the Target Market and must be a subdivision of a Target Market Country Code. The Target Market Subdivision Code describes the "geo-political subdivision of a country" where the trade item is available for sale, as determined by the information provider. For example, "State" in the US, "Land" in Germany, "Region" in France, or "Province" in Canada. Not all countries have subdivisions.

Vendors use the International Standards Organization (ISO) subdivision codes to specify the subdivisions in the following data attribute:

- ITEM.TARGET\_MARKET.SUBDIVISION

**Note:** The list of subdivision codes is maintained by the International Standards Organization (list 3166-2) and can be obtained from their website at: <http://www.iso.org>.

## U.S. State Codes

Vendors use the United States Postal Service state abbreviations below to identify U.S. states in the following data attributes:

- ACCOUNT.COMPANY.STATE\_PROVINCE
- ITEM.SHIP\_FROM.STATE

For U.S. territories, see the ISO Country Codes above.

State Name	Code	State Name	Code
ALABAMA	AL	NEBRASKA	NE
ALASKA	AK	NEVADA	NV
ARIZONA	AZ	NEW HAMPSHIRE	NH
ARKANSAS	AR	NEW JERSEY	NJ
CALIFORNIA	CA	NEW MEXICO	NM
COLORADO	CO	NEW YORK	NY
CONNECTICUT	CT	NORTH CAROLINA	NC
DELAWARE	DE	NORTH DAKOTA	ND
DISTRICT OF COLUMBIA	DC	OHIO	OH
FLORIDA	FL	OKLAHOMA	OK
GEORGIA	GA	OREGON	OR
HAWAII	HI	PENNSYLVANIA	PA
IDAHO	ID	RHODE ISLAND	RI
ILLINOIS	IL	SOUTH CAROLINA	SC
INDIANA	IN	SOUTH DAKOTA	SD
IOWA	IA	TENNESSEE	TN
KANSAS	KS	TEXAS	TX
KENTUCKY	KY	UTAH	UT
LOUISIANA	LA	VERMONT	VT
MAINE	ME	VIRGINIA	VA
MARYLAND	MD	WASHINGTON	WA
MASSACHUSETTS	MA	WEST VIRGINIA	WV

State Name (Continued)	Code	State Name (Continued)	Code
MICHIGAN	MI	WISCONSIN	WI
MINNESOTA	MN	WYOMING	WY
MISSISSIPPI	MS	Not applicable	NA
MISSOURI	MO	None specified	<i>blank</i>
MONTANA	MT		

## Canadian Province Codes

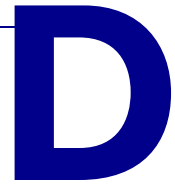
Vendors use the Canadian province abbreviations below to identify provinces in the following data attributes:

- ACCOUNT.COMPANY.STATE\_PROVINCE
- ITEM.SHIP\_FROM.STATE

Province Name	Code	Province Name	Code
ALBERTA	AB	NUNAVUT	NU
BRITISH COLUMBIA	BC	ONTARIO	ON
MANITOBA	MB	PRINCE EDWARD ISLAND	PE
NEW BRUNSWICK	NB	QUEBEC	QC
NEWFOUNDLAND	NF	SASKATCHEWAN	SK
NOVA SCOTIA	NS	YUKON	YT
NORTHWEST TERRITORIES	NT	None specified	<i>blank</i>



# Currency Codes



This appendix contains all ISO 4217 3-character monetary currency codes with which to indicate the currency used by an account or for a specific GTIN. Vendors use one of these codes as the UOM value for the following attributes:

- ACCOUNT.CURRENCY (VALUE)
- ITEM.MSRP (UOM)
- ITEM.UNIT\_COST (UOM)
- ITEM.MARKED.RETAIL\_PRICE.AMOUNT
- ITEM.TAX.AMOUNT

**Note:** The following apply only to ACCOUNT.CURRENCY:

- A blank value is acceptable.
- Vendors who use 832 version 4010 mapping can use only the following currency codes for Account Currency: USD, CAD, EUR, GBP, MXN, and blank/none. Use any of the ISO 4217 3-character codes for ITEM.MSRP and ITEM.UNIT\_COST.

Currency Code	Currency Name
USD	U.S. Dollar (Default if no CUR is sent)
AED	United Arab Emirates Dirham
AFA	Afghani
ALL	Albanian Lek
AMD	Armenian Dram
ANG	Netherlands Antillian Guilder
AOA	Angolan Kwanza
ARS	Argentine Peso
AUD	Australian Dollar
AWG	Aruban Guilder
AZM	Azerbaijani Manat
BAM	Bosnia and Herzegovina Convertible Marks
BBD	Barbados Dollar
BDT	Bangladesh Taka
BGL	Bulgarian Lev

<b>Currency Code</b>	<b>Currency Name (Continued)</b>
BHD	Bahraini Dinar
BIF	Burundi Franc
BMD	Bermuda Dollar
BND	Brunei Dollar
BOB	Boliviano
BRL	Brazilian Real
BSD	Bahamian Dollar
BTN	Bhutan Ngultrum
BWP	Botswana Pula
BYR	Belarussian Ruble
BZD	Belize Dollar
CAD	Canadian Dollar
CDF	Franc Congolais
CHF	Swiss Franc
CLP	Chilean Peso
CNY	Chinese Yuan Renminbi
COP	Colombian Peso
CRC	Costa Rican Colon
CUP	Cuban Peso
CVE	Cape Verde Escudo
CYP	Cyprus Pound
CZK	Czech Koruna
DJF	Djibouti Franc
DKK	Danish Krone
DOP	Dominican Peso
DZD	Algerian Dinar
EEK	Estonian Kroon
EGP	Egyptian Pound
ERN	Eritrean Nakfa
ETB	Ethiopian Birr
EUR	Euro
FJD	Fiji Dollar
FKP	Falkland Islands Pound
GBP	British Pound Sterling
GEL	Georgia Lari
GHC	Ghanaian Cedi
GIP	Gibraltar Pound
GMD	Gambian Dalasi
GNF	Guinea Franc
GTQ	Guatemalan Quetzal
GWP	Guinea-Bissau Peso

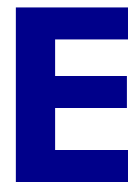
Currency Code	Currency Name (Continued)
GYD	Guyana Dollar
HKD	Hong Kong Dollar
HNL	Honduran Lempira
HRK	Croatian Kuna
HTG	Haitian Gourde
HUF	Hungarian Forint
IDR	Indonesian Rupiah
ILS	Israeli New Shekel
INR	Indian Rupee
IQD	Iraqi Dinar
IRR	Iranian Rial
ISK	Iceland Krona
JMD	Jamaican Dollar
JOD	Jordanian Dinar
JPY	Japanese Yen
KES	Kenyan Shilling
KGS	Kyrgyzstan Som
KHR	Cambodian Riel
KMF	Comoro Franc
KPW	North Korean Won
KRW	Korean Won
KWD	Kuwaiti Dinar
KYD	Cayman Islands Dollar
KZT	Kazakhstan Tenge
LAK	Lao Kip
LBP	Lebanese Pound
LKR	Sri Lanka Rupee
LRD	Liberian Dollar
LSL	Lesotho Loti
LTL	Lithuanian Litus
LVL	Latvian Lats
LYD	Libyan Dinar
MAD	Moroccan Dirham
MDL	Moldovan Leu
MGF	Malagasy Franc
MKD	Macedonian Denar
MMK	Myanmar Kyat
MNT	Mongolian Tugrik
MOP	Macau Pataca
MRO	Mauritanian Ouguiya
MTL	Maltese Lira

<b>Currency Code</b>	<b>Currency Name (Continued)</b>
MUR	Mauritius Rupee
MVR	Maldive Rufiyaa
MWK	Malawi Kwacha
MXN	Mexican Peso
MYR	Malaysian Ringgit
MZM	Mozambique Metical
NAD	Namibian Dollar
NGN	Nigerian Naira
NIO	Nicaraguan Cordoba Oro
NOK	Norwegian Krone
NPR	Nepalese Rupee
NZD	New Zealand Dollar
OMR	Omani Rial
PAB	Panamanian Balboa
PEN	Peruvian Nuevo Sol
PGK	Papua New Guinea Kina
PHP	Philippine Peso
PKR	Pakistan Rupee
PLN	Polish Zloty
PYG	Paraguay Guarani
QAR	Qatari Rial
ROL	Romanian Leu
RUR	Russian Ruble
RWF	Rwanda Franc
SAR	Saudi Riyal
SBD	Solomon Islands Dollar
SCR	Seychelles Rupee
SDD	Sudanese Dinar
SEK	Swedish Krona
SGD	Singapore Dollar
SHP	Saint Helena Pound
SIT	Slovenian Tolar
SKK	Slovak Koruna
SLL	Sierra Leone Leone
SOS	Somali Shilling
SRG	Suriname Guilder
STD	Sao Tome and Principe Dobra
SVC	El Salvador Colon
SYP	Syrian Pound
SZL	Swaziland Lilangeni
THB	Thai Baht

Currency Code	Currency Name (Continued)
TJS	Tajikistan Somoni
TMM	Turkmenistan Manat
TND	Tunisian Dinar
TOP	Tongan Pa'anga
TPE	Timor Escudo
TRL	Turkish Lira
TTD	Trinidad and Tobago Dollar
TWD	New Taiwan Dollar
TZS	Tanzanian Shilling
UAH	Ukraine Hryvnia
UGX	Uganda Shilling
UYU	Peso Uruguayo
UZS	Uzbekistan Sum
VEB	Venezuelan Bolivar
VND	Vietnamese Dong
VUV	Vanuatu Vatu
WST	Samoan Tala
XAF	CFA Franc BEAC
XCD	East Caribbean Dollar
XDR	SDR
XOF	CFA Franc BCEAO
XPF	CFP Franc
YER	Yemeni Rial
YUM	Yugoslavian Dinar
ZAR	South African Rand
ZMK	Zambian Kwacha
ZWD	Zimbabwe Dollar

---

# Miscellaneous Codes and Values



This appendix contains codes to use for UOMs and VALUEs for a variety of data attributes. This appendix is organized in the following sections:

- [“Barcode Values”](#) on page 106
- [“Colorization Values”](#) on page 106
- [“Fast Moving Consumer Goods \(FMCG\) Values”](#) on page 107
- [“Gender By Age Values”](#) on page 107
- [“Gold Karat Codes ”](#) on page 107
- [“Logistics Maximum Pressure UOM Codes”](#) on page 108
- [“Organic Status Codes”](#) on page 108
- [“Packaging and Pallet Terms and Conditions Codes”](#) on page 109
- [“Pallet Type Codes”](#) on page 109
- [“Prepack Codes”](#) on page 110
- [“Recycle Codes”](#) on page 110
- [“Stone Values”](#) on page 111
- [“Tire Segment Values”](#) on page 111
- [“Tire Speed Rating Codes”](#) on page 112
- [“Transport Handling Codes”](#) on page 112
- [“Transport Method Codes ”](#) on page 113

## Barcode Values

Vendors use one of these values for the following data attribute:

- ITEM.BARCODE.SYMBOLGY\_TYPE

Value
COMPOSITE_COMPONENT_A
COMPOSITE_COMPONENT_B
COMPOSITE_COMPONENT_C
EAN_UCC_8_SYMBOL
EAN_UCC_13_SYMBOL
EAN_UCC_14_SYMBOL
ITF_14_SYMBOL
RSS_14
RSS_14_STACKED
RSS_14_STACKED_OMNIDIRECTIONAL
RSS_14_TRUNCATED
RSS_EXPANDED
RSS_EXPANDED_STACKED
RSS_LIMITED
UPC_A_SYMBOL
UPC_E_SYMBOL
UPC_EAN_128_SYMBOL
<i>blank</i>

## Colorization Values

Vendors use one of these values for the following data attribute:

- ITEM.COLORIZATION

Value
Almond
Almond on Almond
Bisque/Biscuit Black
Black on Black Blue
Ebony
Graphite
Red
Stainless Stainless/Black
White
White on White

Value
Other
<i>blank</i>

### Fast Moving Consumer Goods (FMCG) Values

Vendors use one of these values for the following data attribute:

- ITEM.FMCG.ITEM\_NUMBER

Value
ISBN_Number
ISSN_Number
LOTTERY_GAME_NUMBER
LOTTERY_PACK_BOOK_NUMBER
MANUFACTURER_PART_CODE
NABCA_PRODUCT_CODE

### Gender By Age Values

Vendors use one of these values for the following data attribute:

- ITEM.GENDER\_BY\_AGE

Value	
Children's	Newborn Boy
Toddler Boy	Newborn Girl
Toddler Girl	Young
Infant Boy	Mother of the Bride
Infant Girl	Sexy
Midsize (Unisex)	Baby
Bridal	Young Men
Men's	Young Women
Women's	Male
Unisex	Female
Boy	<i>blank</i>
Girl	

### Gold Karat Codes

Vendors use one of these codes for the following data attribute:

- ITEM.GOLD\_KARAT

Value	Description
8 KT	8 karat
10 KT	10 karat



Value	Description (Continued)
12 KT	12 karat
14 KT	14 karat
16 KT	16 karat
18 KT	18 karat
20 KT	20 karat
22 KT	22 karat
24 KT	24 karat
<i>blank</i>	None

### Logistics Maximum Pressure UOM Codes

Vendors use one of these codes as the value for the following data attributes:

- ITEM.LOGISTICS.MAX\_PRESSURE.ORIENTATION.HEIGHT
- ITEM.LOGISTICS.MAX\_PRESSURE.ORIENTATION.LENGTH
- ITEM.LOGISTICS.MAX\_PRESSURE.ORIENTATION.WIDTH

Value	Description
80	Pounds per square inch absolute
25	Grams per square container
D5	Kilograms per square centimeter
28	Kilograms per square meter

### Organic Status Codes

Vendors use one of these codes as the value for the following data attribute:

- ITEM.NUTRITION.ORGANIC.CODE

Value	Description
1	100% Organic
2	Organic
3	Made with Organic Ingredients
4	Some Organic Ingredients
5	Not Organic
6	Unknown
<i>blank</i>	None

## Packaging and Pallet Terms and Conditions Codes

Vendors use one of these codes for the following data attributes:

- ITEM.PACKAGING.TERMS
- ITEM.PALLET.TERMS

Value	Description
1	No Exchange/No Return
2	Exchange Pallets
3	Return Pallets
4	Pallets to be Purchased by Customer
5	Third-Party Pallet Exchange
4E	Rented
5E	Exchangeable
6E	Deposit
7E	Not Reusable (One Way)
<i>blank</i>	None specified

## Pallet Type Codes

Vendors use one of these codes as the value for the following data attribute:

- ITEM.PALLET.TYPE

Value	Description
1	Aluminum
2	As Specified by the Department of Transportation (DOT)
3	Metal
4	Standard
5	Steel
6	Wood
7	Slip Sheet
200	Pallet ISO 0-1/2 EURO Pallet (80 x 60 cm)
201	Pallet ISO 1-1/1 EURO Pallet (80 x 120 cm)
202	Pallet ISO 2 (100 x 120 cm)
203	1/4 EURO Pallet (60 x 40 cm)
204	1/8 EURO Pallet (40 x 30 cm)
210	Wholesaler Pallet
211	Pallet 80 x 100 cm
212	Pallet 60 x 100 cm
<i>blank</i>	None

## Prepack Codes

Vendors use one of these codes as the value for the following attribute:

- ITEM.PREPACK\_CODE

Value	Description
PU	Prepack (assortment of consumer sellable components)
PC	Prepack Component (component GTIN of a prepack, quantities subject to change)
PP	Component (component sold only as part of a prepack)
SP	Setpack (GTINs ordered as group and sold as a group or separately)
MP	Multipack (consumer sellable packaged group of GTINs, usually the same GTIN)
IP	Inner Pack or Pack (a logistical unit between case and each)
CA	Case or Masterpack (may be contained in one or more DS, PL, or MX)
DS	Display Shipper (may be contained in PL or MX)
PL	Pallet
MX	Mixed Module

## Recycle Codes

Vendors use one of these codes as the value for the following data attribute:

- ITEM.RECYCLE\_TYPE

Value	Description
1	Polyethylene Terephthalate (PETE)
2	High Density Polyethylene (HDPE)
3	V - Polyvinyl Chloride (PVC)
4	Low Density Polyethylene (LDPE)
5	Polypropylene (PP)
6	Polystyrene (GPPS), Polystyrene (HIPS), Expanded Polystyrene Foam (EPSF)
7	Other: Polycarbonate (PC), Acrylonitrile-Butadiene-Styrene (ABS), Acrylic, Mixed Plastics
<i>blank</i>	None

## Stone Values

Vendors use one of these values for the following data attribute:

- ITEM.STONE

Value		
Ametrine	Jade	Rose Quartz
Amy	Jet	Ruby
Aqua	Lapis	Sapphire
Black Diamond	Montana	Smokey Topaz
Blue Topaz	Mother of Pearl	Sodalite
Citrine	Multi	Tanzanite
Coral	Onyx	Tiger Eye
Crystal	Opal	Tourmaline
CZ	Pave	Turquoise
Diamond	Pearl	White Sapphire
Emerald	Peridot	White Topaz
Freshwater Pearl	Pink Sapphire	Yellow Sapphire
Garnet	Red Stone	Other
Green Aventurine	Rhinestone	<i>blank</i>
Hermitite	Rhodolite	
Iolite	Rock Crystal	

## Tire Segment Values

Vendors use one of these values for the following attribute:

- ITEM.TIRE\_SEGMENT

Value	
Cosmetic Blem	Light Truck RV
SCR	Light Truck APT
Broadline	Light Truck Highway
Touring	Light Truck Mud
High Performance	Light Truck Touring
Cosmetic Performance	Specialty
Ultra High Performance	Light Truck RV
Specialty	<i>blank</i>

## Tire Speed Rating Codes

Vendors use one of these codes for the following attribute:

- ITEM.TIRE\_SPEED\_RATING

Value	Description
Not Rated	Tire has no speed rating
B	31 mph or 50 km/h
C	37 mph or 60 km/h
D	40 mph or 65 km/h
E	43 mph or 70 km/h
F	50 mph or 80 km/h
G	56 mph or 90 km/h
J	62 mph or 100 km/h
K	68 mph or 110 km/h
L	75 mph or 120 km/h
M	81 mph or 130 km/h
N	87 mph or 140 km/h
P	93 mph or 150 km/h
Q	99 mph or 160 km/h
R	106 mph or 170 km/h
S	112 mph or 180 km/h
T	118 mph or 190 km/h
U	124 mph or 200 km/h
H	130 mph or 210 km/h
V	150 mph or 240 km/h
W	169 mph or 270 km/h
Y	188 mph or 300 km/h
ZR	Over 150 mph or Over 240 km/h
blank	None specified

## Transport Handling Codes

Vendors use one of these codes as the value for the following data attribute:

- ITEM.TRANSPORT\_HANDLING\_CODE

Value	Description
AH	Humidity Sensitive Shipment
BKA	Bulky Article (additional charge or order for a carrier to transport motorcycles, tractors, riding lawn mowers, vehicles and other cargo of unusual size or nature)
DA	Dangerous
DNF	Do Not Freeze (temperature of shipment must not go below the freezing point during transit)
EL	Environmental Control Limits (GTINs in shipment are subject to environmental controls specified in contract)

Value	Description (Continued)
EX	Explosive Flammable Gas
FG	Flammable Gas
FL	Flammable
FP	Flammable Poison Gas
FR	Fragile - Handle with Care
HM	Endorsed as Hazardous Material
IC	Ice
KMD	Keep Material Dry
MOT	Other
MRF	Refrigerated
OPR	Perishable
Value	Description
OSB	Stow Below Deck
OTC	Temperature Control
PFH	Protect From Heat
PG	Poisonous Gas
PHR	Per Hour Rates Applied
ZZZ	Mutually Defined
blank	None specified

## Transport Method Codes

Vendors use one of these codes for the following data attribute:

- ITEM.TRANSPORT\_METHOD\_TYPE

Value	Description
7	Mail (transportation provided by the U.S. Postal Service)
A	Air
D	Parcel Post
FA	Air Freight Forwarder (a firm other than a railroad, motor, or water carrier, which represents itself as a common carrier and undertakes to assemble and consolidate shipments or provide for same; assumes responsibility for the air transportation of such property; delivery is "Held in Bond")
L	Contract Carrier
LT	Less Than Trailer Load (LTL)
M	Motor (Common Carrier)
MB	Motor (Bulk Carrier)
MP	Motor (Package Carrier)
O	Containerized Ocean
P	Private Carrier
R	Rail
S	Ocean

---

<b>Value</b>	<b>Description (Continued)</b>
SF	Surface Freight Forwarder
T	Best Way (Shippers Option)
<i>blank</i>	None specified

---

# Special Characters In qXML



A qXML request document must encode special characters as specified below. Failure to do so will result in an error and the request will fail. No error message is generated, but GXS will inform the customer of the error.

**Note:** Each alphanumeric encoding begins with an ampersand (&) and ends with a semi-colon (;). Double quotes used as part of the *document format* are not encoded. Only double quotes used as part of the *value* must be encoded.

**EXAMPLE:**

Enter the attribute value “R & R Betty’s Beds” as follows (note that the single quote/apostrophe does not have to be encoded):

```
<PARAM NAME="ATTRIBUTE_NAME" ATTRIBUTE_NAME="HIERARCHY.PRODUCT_DESCRIPTION"
VALUE="R &amp; R Betty's Beds"/>
```

Some special characters and required encodings for qXML documents are shown below.

## Alphanumeric Encodings

The following list includes the most commonly used alphanumeric encodings.

< - &lt;

> - &gt;

“ - &quot;

& - &amp;

(no-break space) - &nbsp;



## Numeric Encodings

The following tables include numeric encodings.

Char	Code	Name	Description
	32	-	Normal space
!	33	-	Exclamation
"	34	quot	Double quote
#	35	-	Hash or pound
\$	36	-	Dollar
%	37	-	Percent
&	38	-	Ampersand
'	39	-	Apostrophe
(	40	-	Open bracket
)	41	-	Close bracket
*	42	-	Asterisk
+	43	-	Plus sign
,	44	-	Comma
-	45	-	Minus sign
.	46	-	Period
/	47	-	Forward slash

Char	Code	Name	Description
0	48	-	Digit 0
1	49	-	Digit 1
2	50	-	Digit 2
3	51	-	Digit 3
4	52	-	Digit 4
5	53	-	Digit 5
6	54	-	Digit 6
7	55	-	Digit 7
8	56	-	Digit 8
9	57	-	Digit 9
:	58	-	Colon
;	59	-	Semicolon
<	60	lt	Less than
=	61	-	Equals
>	62	gt	Greater than
?	63	-	Question mark

Char	Code	Name	Description
@	64	-	At sign
A	65	-	A
B	66	-	B
C	67	-	C
D	68	-	D
E	69	-	E
F	70	-	F
G	71	-	G
H	72	-	H
I	73	-	I
J	74	-	J
K	75	-	K
L	76	-	L
M	77	-	M
N	78	-	N
O	79	-	O

Char	Code	Name	Description
P	80	-	P
Q	81	-	Q
R	82	-	R
S	83	-	S
T	84	-	T
U	85	-	U
V	86	-	V
W	87	-	W
X	88	-	X
Y	89	-	Y
Z	90	-	Z
[	91	-	Open square bracket
\	92	-	Backslash
]	93	-	Close square bracket
^	94	-	Pointer
_	95	-	Underscore

Char	Code	Name	Description
‘	96	-	Grave accent
a	97	-	a
b	98	-	b
c	99	-	c
d	100	-	d
e	101	-	e
f	102	-	f
g	103	-	g
h	104	-	h
i	105	-	i
j	106	-	j
k	107	-	k
l	108	-	l
m	109	-	m
n	110	-	n
o	111	-	o

Char	Code	Name	Description
p	112	-	p
q	113	-	q
r	114	-	r
s	115	-	s
t	116	-	t
u	117	-	u
v	118	-	v
w	119	-	w
x	120	-	x
y	121	-	y
z	122	-	z
{	123	-	Left brace
	124	-	Vertical bar
}	125	-	Right brace
~	126	-	Tilde
ⓧ	127	-	(Unused)

---

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