

## CERTIFICATION REPORT

1. **Intended Use:** The product covered by this Certificate is designed for Calibration or for use in Quality Control procedures for the specified chemical compounds listed on the reverse side. This product can be used for Identification and/or Quantification. This product can also be used as a Reference Material to validate analytical procedures, subject to the conditions under Section 8.
2. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use according to ISO9001 requirements.
3. **Manufacturing:** AccuStandard, Inc. manufactures its products under an ISO 9001 certified quality system. Balances used in the manufacturing process are calibrated regularly. All weights are traceable through the National Institute of Standards and Technology (NIST), Test No. 822/254480.
4. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the ISO 9001 Quality System.
5. **Stability Assessment:** AccuStandard, Inc. guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.
6. **Analytical Quality Control:** Products are tested by validated analytical methods covered under the company's ISO 9001 Quality System.
7. **Uncertainty Statistics and Confidence Limits:** The maximum Uncertainty stated on the face of this certificate has been calculated in accordance with the EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement - Second Edition. The Uncertainty given is the Expanded Combined Uncertainty and represents an estimated Standard Deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is  $U$  which is  $U_c(y) * K$ , where  $K$  is the coverage factor at the 95% confidence level ( $K=2$ ). The Expanded Uncertainty is based on the combination of uncertainties associated with each individual operation involved in the preparation of the product.
8. **Legal Notice and Limit of Liability:** This product is for research use only. No warranty for any particular application is expressed or implied. Due to their hazardous nature, they should be handled by trained personnel. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.



# AccuStandard®, Inc.

Chemical Reference Standards • The Standard for Excellence

## WARRANTIES:

**Manufacture]:** (AccuStandard®, Inc.) warrants that its products shall conform to the description of such products as provided in its catalog or on the specific products' label. This warranty is exclusive, and AccuStandard, Inc. makes no other Warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

## PRODUCT STABILITY:

AccuStandard's products are monitored regularly to ensure they meet Catalog Specifications (on-going stability studies). The integrity of these products is dependent upon proper handling and storage by the end-user.

AccuStandard recommends the following storage conditions:

Volatiles	-10 to -20 °C
Semi-Volatiles	4 °C

**Exceptions:** Highly concentrated solutions (e.g. Z-014J) should be stored at room temperature.

**Note:** Allow ampules to equilibrate to 20 °C prior to opening.



## LIABILITY:

AccuStandard, Inc. products are for research use only. Due to their hazardous nature, they should be handled by trained personnel.

AccuStandard's liability will be limited to replacement of products or refund of purchase price. Failure to give notice of claim within thirty (30) days from date of delivery will constitute a waiver by buyer of any and all claims.





# AccuStandard Inc.

125 Market Street  
New Haven, CT 06513  
USA

## CERTIFICATE OF ANALYSIS



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Fax: 203-786-5287  
E-mail: usa@accustandard.com  
www.accustandard.com

CATALOG NO. S-13907-BLK-250ML

DESCRIPTION: Isooctane Control Blank

EXPIRATION: Nov 9, 2006

LOT: B5110053

SOLVENT: N/A

See reverse for additional certification information.

This product is guaranteed accurate to + 0.5% of the  
Certified Analyte concentration through the  
Expiration Date on the Label.

Component	CAS #	Purity %	Prepared Concentration <sup>1</sup>	Certified Analyte Concentration <sup>2</sup>
		MFG		
Isooctane	540-84-1	99.9	N/A ±0	N/A

Please note: AccuStandard follows the U.S. conventions in reporting numerical values, on both certificates and labels.

A comma (,) is used to separate units of one-thousand or greater.  
A period (.) is used as a decimal place marker.

1. All weights are traceable through National Institute of Standards & Technology, Test No.
2. Certified Analyte Concentration = Purity x Prepared Concentration
3. A product with a suffix (-1A, -2B, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

Certified by:

*R. Cooper*

This product was manufactured to meet the quality system requirements of ISO 9001

QR-ORG/INO-001  
Rev. 11/02

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