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USA

AccuStandard®

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PRODUCT INFORMATION

Catalog No : STP-BL-100ML
Description : Isooctane
Lot : 220101384
Solvent : Isooctane
Hazards : *Refer to SDS for complete safety information*

Date Certified : October 22, 2020
Expiration : October 22, 2030
Sample Size : 100 mL
Storage Condition : Ambient (>5 °C)

Signal Word: Danger

Reference Material

ANAB ACCREDITED AR-1463

ilac-MRA

Component	CAS #	Purity³ %	Prepared Concentration² (µg/g)	Certified Analyte Concentration¹ (µg/g)
Matrix Blank		N/A	N/A	N/A

This Reference Material was verified in accordance with ISO/IEC 17025 (AT-1339) and ISO 17034 (AR-1463)

Density = 0.69596 g/cm³

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[3] Purity/Identity determined by one or more of the following methods: GC/MS, LC/MS, NMR, FTIR, Melting Point.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Matrix blank to be used for background correction.

The certified value is based upon gravimetric procedures, i.e. weight/weight composition of well-characterized in in the specified solvents. The balance used is accurate to ±0.0001g and is calibrated regularly using mass standards.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4% and was determined in accordance with ISO 17034. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By:

Larry Decker ,Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001

1. **Quality Standards:**
   ISO 17034:2016 – General Requirements for the Competence of Reference Material Producers
   ISO/IEC 17025:2017 – General Requirements for the Competence of Testing And Calibration Laboratories
   ISO 9001:2015 – Quality Management System – Requirements Eagle Registrations

2. **Intended Use:** The product covered by this certificate is intended for use in calibration or quality control procedures for the specified chemical compounds and/or properties listed on the reverse side. It may be used for quantification and/or identification, and also as a reference material to validate analytical procedures, subject to the conditions outlined in Section 7.

3. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. When applicable, the NIST test number is listed on the front of this document. Class A glassware is used in the manufacture and quality control of all standards. Good Laboratory Practices have been used throughout the preparation of this standard.

4. **Homogeneity:** This product is sufficiently homogeneous and any sample size would be within the uncertainty budget.

5. **Stability:** The manufacturer 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

6. **Uncertainty:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide. We report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula:
   $u_a = \sqrt{(u(V))^2 + (u(m))^2 + (u(IV))^2 + (u(RO))^2}$ This formula represents uncertainty components from the mass, volume, short-term stability, long-term stability and homogeneity factors associated with the manufacture of this product. The expanded uncertainty, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level.

7. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. 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.