

Certificate of Analysis

Product: Acetone
Item Number: ACEHPLC
Grade: HPLC
Lot Number: 5000799/1.1
Manufacture Date: 02/21/2024
Expiration Date: 02/20/2029
Country of Origin: United States

Tested Property	Specification	Analysis
Assay (corrected for water)	NLT 99.5%	99.70%
Assay (on the anhydrous basis)	NLT 99.0%	99.96%
Aldehyde (as HCHO)	0.002%, max	LT 0.002%
Appearance	Clear liquid with characteristic odor	Pass
Color (APHA)	10 max.	1
Isopropyl Alcohol	0.05%, max	0.00%
Methanol	0.05%, max	0.04%
Substances Reducing Permanganate	To Pass Test	Pass
Residue after Evaporation	0.001%, max	0.000%
Solubility in Water	The solution remains clear for 30 min.	Pass
Titration Acid	0.0003 meq/g, max	0.0000
Titration Base	0.0006 meq/g, max	0.0000
UV Absorbance @330nm	1.00 max.	0.58
UV Absorbance @340nm	0.10 max.	0.04
UV Absorbance @350nm	0.02 max.	0.00
UV Absorbance @400nm	0.01 max.	0.00
Identification A - Infrared Absorption	Conforms to Infrared Spectra	Pass
Identification B - GC	Conforms to Reference Chromatogram	Pass
Nonvolatile Residue	NMT 2 mg/50mL (0.004%)	0
Readily Oxidizable Substances	To Pass Test	Pass

Phone: 512-668-9918, Fax: 512-886-4008,
 E-mail: Customerservice@laballey.com,
www.laballey.com,

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

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Water	0.5%, max	0.26%
Specific Gravity @ 25°C	NMT 0.789	0.787

Acetone

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