

Certificate of Analysis

Product: Acetone
Item Number: ACEHPLC
Grade: HPLC
Lot Number: 220301-B017177
Manufacture Date: 02/10/2022
Expiration Date: 02/09/2027
Country of Origin: United States

Tested Property	Specification	Analysis
Assay (corrected for water)	NLT 99.5%	99.72%
Assay (on the anhydrous basis)	NLT 99.0%	99.72%
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	0.03%
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	0.0001
Titration Base	0.0006 meq/g, max	0.0001
Absorbance	To Pass Test	Pass
Gradient Elution	To Pass Test	Pass
Gradient Analysis at 254nm	To Pass Test	Pass
Liquid Chromatography	To Pass Test	Pass
UV Absorbance @330nm	1.00 max.	0.65
UV Absorbance @340nm	0.10 max.	0.04
UV Absorbance @350nm	0.02 max.	0.00
UV Absorbance @400nm	0.01 max.	0.00

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Identification A – Infrared Absorption	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
Water	0.5%, max	0.24%
Specific Gravity @ 25°C	NMT 0.789	0.787

Acetone

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