

Acetone

Grade: ACS/USP/NF/ASTM

Catalog number: 32900ASTM

Test	Mono-graph	Specification	Typical Result
Assay (corrected for water)	ACS	NLT 99.5%	99.67 %
Assay (on the anhydrous basis)	NF	NLT 99.0%	99.97 %
Assay (corrected for water)	D-329	NLT 99.5%	99.55 %
Appearance	ACS	Clear liquid with characteristic odor	Pass
Color (APHA)	ACS	10 max.	1
Color Pt-Co	D-329	5 max.	1
Odor	D-329	Nonresidual	Pass
Residue after Evaporation	ACS	0.001%, max	0.000 %
Nonvolatile Residue	NF	NMT 2 mg/50mL (0.004%)	0 mg
Nonvolatile Matter	D-329	NMT 5mg/100mL	0 mg
Solubility in Water	ACS	The solution remains clear for 30 min.	Pass
Titration Acid	ACS	0.0003 meq/g, max	0.0002 meq/g
Acidity (as free acetic acid)	D-329	0.002% max.	LT 0.001%
Titration Base	ACS	0.0006 meq/g, max	0.0001 meq/g
Alkalinity (as ammonia)	D-329	0.001% max.	LT 0.002%
Aldehyde (as HCHO)	ACS	0.002%, max	LT 0.002%
Aldehydes	D-329	To Pass Test	Pass
Isopropyl Alcohol	ACS	0.05%, max	0.00 %

Test	Mono-graph	Specification	Typical Result
Methanol	ACS	0.05%, max	0.02 %
Substances Reducing Permanganate	ACS	To Pass Test	Pass
Permanganate Time	D-329	To Pass Test	Pass
Readily Oxidizable Substances	NF	To Pass Test	Pass
Water	ACS	0.5%, max	0.31 %
Water	NF	0.5%, max	0.31 %
Water	D-329	0.5%	0.42 %
Identification A - Infrared Absorption	NF	Conforms to Infrared Spectra	Pass
Identification B - GC	NF	Conforms to Reference Chromatogram	Pass
Specific Gravity @ 25°C	NF	NMT 0.789	0.787
Apparent Specific Gravity	D-329	0.7910 - 0.7930 @ 20°C	0.7924
Apparent Specific Gravity	D-329	0.7865 - 0.7885 @ 25°C	0.7877
Water Miscibility	D-329	To Pass Test	Pass
Distillation Range @760 mmHg	D-329	Distills entirely within 1.0°C range, including 56.1°C	Pass

Certification and Compliance Statements

This product complies with all of the current requirements listed in the American Chemical Society, National Formulary and ASTM monographs.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

No chemicals whatsoever are used as solvents at any point in the manufacture, processing, or packaging of Acetone. Acetone may contain trace amounts of Benzene. Benzene is not used as a solvent but may appear in Acetone as a by-product. The typical level for Benzene content in Acetone is <2ppm. Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in Acetone. Concentration of Class 2 Option 1 and Class 3 residual solvents is below limits in the current USP/NF General Chapter <467>.

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