



Product Specifications Sheet

Product Name Isopropyl Alcohol 99%
 Grade ACS/HPLC-UV Grade
 Catalog # 231HPLC99

TEST	MONO-GRAPH	SPECIFICATION	TYPICAL RESULT	UNITS
Carbonyl Compounds - Acetone	ACS	0.002% max	0.000	%
Assay (corrected for water)	ACS	99.5% min	99.94	%
Color, APHA	ACS	10 max	1	N/A
Carbonyl Compounds - Propionaldehyde	ACS	0.002% max	LT 0.002%	N/A
Residue after Evaporation	ACS	0.001% max	0.000	%
Solubility in water	ACS	To Pass Test	Pass	N/A
Titration Acid or Base	ACS	0.0001 meq/g	0.0001	meq/g
Water, wt%	ACS	NMT 0.2%	0.05	%
UV Absorbance @210nm	HPLC	1.0 max.	0.41	N/A
UV Absorbance @220nm	HPLC	0.40 max.	0.20	N/A
UV Absorbance @230nm	HPLC	0.20 max.	0.10	N/A
UV Absorbance @245nm	HPLC	0.08 max.	0.03	N/A
UV Absorbance @260nm	HPLC	0.04 max.	0.01	N/A
UV Absorbance @275nm	HPLC	0.03 max.	0.00	N/A
UV Absorbance @300nm	HPLC	0.02 max.	0.00	N/A
UV Absorbance @330nm - 400nm	HPLC	0.01 max.	0.00	N/A
Limit of Volatile Impurities - 2-Butanol	USP	NMT 0.1%	LT 0.1%	N/A
Limit of Volatile Impurities - Acetone	USP	NMT 0.1%	None Detected	N/A
Acidity	USP	NMT 0.70 ml of 0.020N NaOH is required	0.2	ml



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Assay (corrected for water)	USP	99.0% min	99.94	%
Limit of Volatile Impurities - Diethyl Ether	USP	NMT 0.1%	LT 0.1%	N/A
Limit of Volatile Impurities - Diisopropyl Ether	USP	NMT 0.1%	LT 0.1%	N/A
Identification B	USP	To Pass Test	Pass	N/A
Identification A - Infrared Spectroscopy	USP	To Pass Test	Pass	N/A
Identification C – Limit of Methanol	USP	NMT 0.02%	Pass	N/A
Limit of Volatile Impurities – Methanol	USP	NMT 0.02%	LT 0.02%	N/A
Limit of Volatile Impurities - n-Propyl Alcohol	USP	NMT 0.1%	LT 0.1%	N/A
Limit of Nonvolatile Residue	USP	NMT 2.5 mg (0.005%)	0.0	mg
Refractive Index @ 20oC	USP	1.376-1.378	1.377	N/A
Specific Gravity	USP	0.783 - 0.787 @25°C	0.783	N/A
Limit of Volatile Impurities – Individual unspecified impurity	USP	NMT 0.1%	LT 0.1%	N/A
Limit of Volatile Impurities - Total	USP	NMT 1.0%	LT 0.1%	N/A
Water Determination	USP	NMT 0.5%	0.05	%

This product is for further commercial manufacturing, laboratory or research use, and may be used as a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.