

Methanol

Grade: ACS/USP/NF

Catalog number: 339000000

Test	Mono-graph	Specification	Typical Result
Assay (corrected for water)	ACS	99.8% min	99.97 %
Assay	NF	NLT 99.5%	100.00 %
Substances Darkened by Sulfuric Acid	ACS	To Pass Test	Pass
Readily Oxidizable Substances	NF	To Pass Test	Pass
Substances Reducing Permanganate	ACS	To Pass Test	Pass
Readily Carbonizable Substances	NF	To Pass Test	Pass
Solubility in Water	ACS	To Pass Test	Pass
Color (APHA)	ACS	10 max	1
Water	ACS	NMT 0.1%	0.02 %
Water	NF	NMT 0.1%	0.02 %
Residue on Evaporation	ACS	0.001% max	0.000 %
Non -Volatile Residue	NF	NMT 2mg (0.001% w/w)	0 mg
Carbonyl Compounds - Acetone	ACS	0.001% max	None Detected
Acetone and Aldehydes (as Acetone)	NF	NMT 0.003%	LT 0.003%
Carbonyl Compounds - Formaldehyde	ACS	0.001% max	LT 0.001%
Carbonyl Compounds - Acetaldehyde	ACS	0.001% max	LT 0.001%
Titration Acid	ACS	0.0003 meq/g max.	0.0002 meq/g
Acidity	NF	NMT 0.45mL 0.020N NaOH required	0.10 ml

Test	Mono-graph	Specification	Typical Result
Titration Base	ACS	0.0002 meq/g max.	0.0001 meq/g
Alkalinity (as ammonia)	NF	NMT 0.20mL 0.020N H ₂ SO ₄ required (3 ppm max)	0.05 ml
Identification A (Infrared Absorption)	NF	To Pass Test	Pass
Identification B (GC Analysis)	NF	To Pass Test	Pass

Certification and Compliance Statements

This product is tested to meet specifications listed in the United States Pharmacopeia, National Formulary, and American Chemical Society 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 Methanol. Only Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in Methanol. Concentration of Class 2 Option 1 and Class 3 residual solvents is below limits in the current USP/NF General Chapter <467>.

Greenfield products are for further commercial manufacturing, laboratory use, or research. Greenfield is not registered with the United States Food and Drug Administration (FDA) as a drug manufacturing facility. Greenfield products are not registered with the FDA as active pharmaceutical ingredients in drug manufacturing.

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