

CERTIFICATE OF ANALYSIS

Product Name METHANOL
Grade Meets GENERAL USE HPLC-UV/ACS/USP/NF Grade Monographs
Catalog # 33900HPLC
Lot # C21F10006
Date of Manufacture: 06/10/21
Recommended Retest Date: Five Years from Date of Manufacture

TEST	MONO GRAPH	SPECIFICATION	RESULT
Assay (corrected for water)	ACS	99.8% min	99.99%
Assay	NF	NLT 99.5%	
Appearance	ACS+	To Pass Test	100.00%
Identification A (Infrared Absorption)	NF	To Pass Test	Pass
Identification B (GC Analysis)	NF	To Pass Test	Pass
Acidity	NF ⁺	NMT 0.45mL 0.020N NaOH required	0.10 mL
Alkalinity (as NH ₄)	NF ⁺	NMT 0.20mL 0.020N H ₂ SO ₄ required (3 ppm max)	0.10 mL
Titration Acid	ACS ⁺	0.0003 meq/g max.	0.0001 meq/g
Titration Base	ACS ⁺	0.0002 meq/g max.	0.0001 meq/g
Readily Carbonizable Substances	NF ⁺	To Pass Test	Pass
Carbonyl Compounds	ACS	Acetone 0.001% max	None Detected
		Formaldehyde 0.001% max	
		Acetaldehyde 0.001% max	
Acetone and Aldehydes (as Acetone)	NF ⁺	NMT 0.003%	< 0.003%
Readily Oxidizable Substances	NF ⁺	To Pass Test	Pass
Non -Volatile Residue	NF ⁺	NMT 2mg (0.001% w/w)	0 mg
Residue on Evaporation	ACS ⁺	0.001% max	0.000%
Ultraviolet absorption	ACS	205nm 1.00 max.	0.88
		210nm 0.80 max.	0.46
		220nm 0.40 max.	0.21
		230nm 0.20 max.	0.10
		240nm 0.10 max.	0.05
		260nm 0.04 max.	0.01
		280nm-400 nm 0.01 max.	0.01
Substances Reducing Permanganate	ACS ⁺	To Pass Test	Pass
Substances Darkened by Sulfuric Acid	ACS ⁺	To Pass Test	Pass