

CERTIFICATE OF ANALYSIS
METHANOL
Meets GENERAL USE HPLC-UV Grade Monographs

Lot # C17H02006

QC # Pending

Date of Manufacture: 08/02/17

Recommended Retest Date: Five Years from Date of Manufacture

Main Catalog #: 33900HPLC

PRODUCT SPECIFICATIONS	MONO GRAPH	LIMITS	Results
Assay (GC), min, corrected for water	ACS, NF	99.8% 99.9%	99.99%
Identification A (Infrared Absorption)	NF	To Pass	Pass
Identification B (GC Analysis)	NF	To Pass	Pass
Acidity	NF	NMT 0.45mL 0.02N NaOH required	0.20 mL
Titration Acid, max	ACS	0.0003 meq/g	0.0002 meq/g
Alkalinity (as ammonia)	NF	NMT 0.20mL 0.02N H2SO4 required (3 ppm max)	0.10 mL
Titration Base, max	ACS	0.0002 meq/g	< 0.0001 meq/g
Readily Carbonizable Substances	NF	To Pass	Pass
Carbonyl Compounds, max	ACS	Acetone 0.001% Formaldehyde 0.001% Acetaldehyde 0.001%	0.000% < 0.001% < 0.001%
Acetone & Aldehydes (as Acetone)	NF	NMT 0.003%	< 0.003%
Readily Oxidizable Substances	NF	To Pass	Pass
Non-Volatile Residue	NF	NMT 2mg (0.001% w/w)	0 mg
Residue After Evaporation, max	ACS	0.001%	0.000%
Color (APHA), max	ACS	10	1
Substances Darkened by H ₂ SO ₄	ACS	To Pass	Pass
Substances Reducing KMnO ₄	ACS	To Pass	Pass
Ultraviolet absorption	ACS	205nm 1.00 max. 210nm 0.80 max. 220nm 0.40 max. 230nm 0.20 max. 240nm 0.10 max. 260nm 0.04 max. 280nm – 400nm 0.01 max.	
Water, max	ACS, NF	0.10%	0.01%
Solubility in Water	ACS	To Pass	Pass

This product is manufactured for Routine HPLC Analysis and meets the requirements for General Use HPLC Grade, ACS Monographs. This product is not intended for GC or critical HPLC analysis. See Glass Purified, Glass Distilled Grade for those applications.

Form Methanol-HPLC, # 401, Rev. 2.8, 06/16, KAD

Approved by:

Disclaimer: For Industrial/Lab use only. Not intended as a Drug Substance, Medical Device or Disinfectant. Appropriate/legal use of this product is the responsibility of the user. (Rev. # disclaimer only, rev 3.6, 07/15, PD)