



...Pure Quality

Certificate of Analysis

Product: ACS/HPLC Methanol
Cat: CP-C2305
Lot: DV416X
Date of Manufacture: 11/20/18
Use Before Date: 11/19/21

Meets ACS Specifications

<u>Test</u>	<u>Specification</u>		<u>Result</u>	<u>Units</u>
	<u>Min.</u>	<u>Max.</u>		
Appearance	Clear		Clear	
Water by Karl Fischer Titration		0.05	0.015	%
UV Cutoff		205	203	nm
Refractive Index (20°C)	1.3280	1.3288	1.3286	
Residue		3	<1	mg/L
GC Analysis	99.9		>99.99	%
Substances Darkened by Sulfuric Acid	Passes test		Passes test	
Substances Reducing Permanganate	Passes test		Passes test	
Color (APHA)		10	<10	
Solubility in Water	Passes test		Passes test	
Carbonyl Compounds (each of acetone, formaldehyde, and acetaldehyde)		0.001	<0.001	%
Titration Acid		0.3	0.21	µeq/g
Titration Base		0.2	0.05	µeq/g
HPLC Gradient @ 254 nm		0.005	<0.0050	AU
UV Absorbance @ 225 nm		0.180	0.1042	AU
UV Absorbance @ 250 nm		0.020	0.0105	AU
UV Absorbance @ 300 nm		0.005	0.0014	AU
UV Absorbance @ 400 nm		0.005	0.0022	AU

Quality Control Approval

Janna Dickinson

LIMS Sample No.: AJ03281

11/21/2018