



**ChemPure* Brand
Chemicals**

Certificate of Analysis

...Pure Quality

Product: ACS/HPLC Methanol
Cat: CP-C2305
Lot: DX793-X
Date of Manufacture: 11/14/2019
Use Before Date: 11/13/2022

ACS/HPLC Methanol, ACS Reagent, meets ACS Specifications for General Use, >99.9% for HPLC, Spectrophotometry, Meets USP Reagent Specifications

Parameter	Specification		Result	Units
	Min.	Max.		
Appearance	Clear		Clear	
Water by Karl Fischer Titration		0.05	0.013	%
UV Cutoff		205	203	nm
Refractive Index (20°C)	1.3280	1.3288	1.3287	
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	0.28	µeq/g
Titration Base		0.2	0.03	µeq/g
HPLC Gradient @ 254 nm		0.005	<0.0050	AU
UV Absorbance @ 225 nm		0.180	0.1031	AU
UV Absorbance @ 250 nm		0.020	0.0109	AU
UV Absorbance @ 300 nm		0.005	0.0004	AU
UV Absorbance @ 400 nm		0.005	0.0012	AU

Muskegon 11/14/2019 LIMS Sample No.: AK03205

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