



...Pure Quality

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## Certificate of Analysis

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**Product:** ACS/HPLC Methanol  
**Cat:** CP-C2305  
**Lot:** DZ436-US-X  
**Date of Manufacture:** 7/10/20  
**Use Before Date:** 7/09/23

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	0.008	%
UV Cutoff		205	203	nm
Refractive Index (20°C)	1.3280	1.3288	1.3285	
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	0.22	µeq/g
Titration Base		0.2	0.04	µeq/g
HPLC Gradient @ 254 nm		0.005	<0.0050	AU
UV Absorbance @ 225 nm		0.180	0.1100	AU
UV Absorbance @ 250 nm		0.020	0.0123	AU
UV Absorbance @ 300 nm		0.005	0.0016	AU
UV Absorbance @ 400 nm		0.005	0.0007	AU

Quality Control Approval

LIMS Sample No.: AL02175

7/10/2020