

**Certificate of Analysis**

**Product:** Methanol  
**Grade:** HPLC  
**Part No.'s:** 1915-1, 1915-3, 1915-5

<b>Lot:</b>	<b>I54107</b>
<b>Mfg. Date:</b>	<b>2018-05-04</b>
<b>Exp. Date:</b>	<b>3 years after Mfg. Date</b>

Manufactured by Duksan Pure Chemicals

*Meets ACS Specification*  
**Ultraviolet Spectrophotometry**

**Maximum UV Absorbance:**

Wavelength	Unit	Specification (Max)	Results
205	nm	1.00	0.78
220	nm	0.25	0.21
230	nm	0.15	0.09
254	nm	0.02	0.01
280	nm	0.01	0.003
UV Cutoff	nm	205	<205

**LC Gradient Suitability**

Test	Unit	Specification	Results
Gradient Elution Test		To Pass Test	Pass
Assay (by GC)	%	Min. 99.9	99.9%
Color (APHA)		Max. 10	2
Water	%	Max. 0.05	0.003%
Residue After Evaporation	ppm	Max. 3	<1ppm
Titration Acid	mEq/g	Max. 0.0003	0.0001 mEq/g
Titration Base	mEq/g	Max. 0.0002	0.00004 mEq/g
Carbonyl Compounds (each of Acetone, Formaldehyde and Acetaldehyde)	%	0.001%	<0.001%
Substances Darkened by Sulfuric Acid		To Pass Test	Pass
Substances Reducing Permanganate		To Pass Test	Pass
Solubility in Water		To Pass Test	Pass

Created By:  
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 Technical Support