



EMD Chemicals Inc.  
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Name: Methanol  
OmniSolv®, For LC/MS

Formula: CH<sub>3</sub>OH

Item Number: MX0486-1, MX0486-6, MX0486-901

Formula Wt: 32.04

Lot Number: 48107

Data Order No: 000414402

CHARACTERISTIC	REQUIREMENT		RESULTS	UNITS
	Min.	Max.		
Assay (GC)	99.9		> 99.99	%
Identity (IR-spectrum)			Conforms	
Titration acid		0.3	0.23	µeq/g
Titration base		0.2	0.02	µeq/g
Color (APHA)		10	<10	
Form			Clear liquid	
LC/MS Purity (p-nitrophenol)			<50ppb	
LC/MS Purity (resperine))			<50ppb	
Metals, suitable for LC/MS			Conforms	
Residue after evaporation		1	<0.5	ppm
Water (H <sub>2</sub> O)		0.05	0.0006	%
Fluorescence as quinine at 254 nm		1	< 1	ppb
Fluorescence as quinine at 365 nm		1	< 1	ppb
Gradient at 235 nm		1	0.66	mAU
Gradient at 254 nm		1	0.25	mAU
UV Abs. at 210 nm		0.3	0.114	
UV Abs. at 220 nm		0.1	0.041	
UV Abs. at 230 nm		0.04	0.021	
UV Abs. at 240 nm		0.03	0.009	
UV Abs. at 250 nm		0.01	0.006	
UV Abs. at 270 nm		0.01	0.003	
UV Abs. at 400-280 nm		0.005	0.003	
UV Cut-off		205	200.6	
Filtered through 0.2 µm filter			Passes test	

Charles M. Wilson,  
Quality Assurance Manager

Release Date: 4/19/2008

EMD Chemicals Inc.  
(Formerly EM Science, A Division of EM Industries, Inc.)  
An Affiliate of Merck KGaA, Darmstadt, Germany