

Honeywell

CERTIFICATE OF ANALYSIS

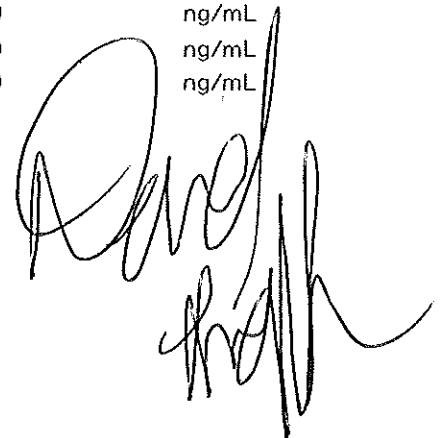
Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
www.lab-honeywell.com

Brand: Research Chemicals - B&J
Product: 232
Lot No.: DS286
Production Date: 9-Jun-2017
Best Before: 8-Dec-2018

Purge & Trap Grade Methanol, B&J Brand™, >99.9%
Purge & Trap grade, for VOC Analysis using Purge & Trap methods

Parameter	Specification		Result	Units
	Min.	Max.		
Water by Karl Fischer Titration		0.300	0.159	%
Refractive Index (20°C)	1.3280	1.3288	1.3287	
Residue		1	<0.5	mg/L
GC Analysis	99.9		99.97	%
Volatile Organic Compounds (by Purge & Trap Analysis)	Passes test		Passes test	
All Aromatics		1	<1	ng/mL
Ketones				
2-Butanone		100	<100	ng/mL
Acetone		50	<50	ng/mL
Methyl Isoamyl Ketone		50	<50	ng/mL
All other detectable ketones		50	<50	ng/mL
Chlorohydrocarbons (non-aromatic)				
Methylene Chloride		50	<50	ng/mL
Chloroform		50	<50	ng/mL
Carbon Tetrachloride		50	<50	ng/mL
All other detectable chlorohydrocarbons		50	<50	ng/mL

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Parameter	Specification		Result	Units
	Min.	Max.		
Alkanes				
Pentane		50	<50	ng/mL
Hexane		50	<50	ng/mL
Heptane		50	<50	ng/mL
Iso-Octane		50	<50	ng/mL
All other detectable alkanes		50	<50	ng/mL
All other detectable peaks as hexane		50	<50	ng/mL

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Quality Control Approval

Janna Dickinson

Muskegon 6/29/2017 LIMS Sample No.: AI07068