

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-04 15:17:41  
 Date of Next Testing: 2027-01-03 15:17:41  
 Product Name: **2-Methoxyethyl ether**  
 CAS Number: 111-96-6  
 Specifications & Purity:  $\geq 99.5\%$ (GC)  
 Lot #: L2217168  
 SKU #: **M104417**  
**Analysis:** **164632**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.83 %
Aluminum(Al)	0-0.5 (ppm)	0.00 ppm
Barium(Ba)	0-0.1 (ppm)	0.00 ppm
Density (20°C)	0.945-0.947	0.95
Water by Karl Fischer	0-0.1 (%)	0.05 %
Lithium(Li)	0-0.1 (ppm)	0.00 ppm
Zinc(Zn)	0-0.1 (ppm)	0.00 ppm
Manganese(Mn)	0-0.02 (ppm)	0.00 ppm
Refractive index n <sub>20</sub> /D	1.406-1.409	1.41
Calcium(Ca)	0-0.5 (ppm)	0.00 ppm
Peroxide(as H <sub>2</sub> O <sub>2</sub> )	0-0.005 (%)	0.00 %
Cadmium(Cd)	0-0.05 (ppm)	0.00 ppm
Cobalt(Co)	0-0.02 (ppm)	0.00 ppm
Iron(Fe)	0-0.1 (ppm)	0.00 ppm
Molybdenum(Mo)	0-0.1 (ppm)	0.00 ppm
(Pb)Lead	0-0.1 (ppm)	0.00 ppm
Strontium(Sr)	0-0.1 (ppm)	0.00 ppm
Copper(Cu)	0-0.02 (ppm)	0.00 ppm
Magnesium(Mg)	0-0.1 (ppm)	0.00 ppm
Nickel(Ni)	0-0.02 (ppm)	0.00 ppm
Bismuth(Bi)	0-0.1 (ppm)	0.00 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00 ppm
Potassium(K)	0-0.5 (ppm)	0.00 ppm
Sodium(Na)	0-0.5 (ppm)	0.00 ppm
Appearance (M104417)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager