

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

## Specification Sheet

Product Name: **Methanol**  
 Specifications & Purity: LC-MS, ≥99.9%  
 SKU #: **M116125**

Parameter	Limit Values
Lead(Pb)	0-0.02 (ppm)
Fluorescence (quinine) at 254 nm	0-1 (ppb)
HPLC Absorbance 254 nm	0-5 (mAU)
Cobalt (Co)	0-0.02 (ppm)
Silver (Ag)	0-0.1 (ppm)
Tin(Sn)	0-0.1 (ppm)
Cadmium(Cd)	0-0.05 (ppm)
Free Acid (as Formic Acid)	0-0.001 (%)
Copper(Cu)	0-0.01 (ppm)
Alkalinity (as NH <sub>3</sub> )	0-0.0005 (%)
Manganese(Mn)	0-0.01 (ppm)
Nickel(Ni)	0-0.02 (ppm)
Purity(GC)	99.9-100 (%)
Fluorescence (quinine) at 365 nm	0-0.5 (ppb)
Zinc(Zn)	0-0.1 (ppm)
Water by Karl Fischer	0-0.01 (%)
Chrome(Cr)	0-0.02 (ppm)
Barium(Ba)	0-0.1 (ppm)
Appearance (M116125)	Colorless Liquid
Test for suitability for LC-MS	Passes
Acidity	≤ 0.0002 (eq/kg)
Alkalinity Content	≤ 0.0002(eq/kg)
Aluminum(Al)	0-10 (ppb)
Calcium (Ca)	≤10 (ppb)
Iron(Fe)	0-10 (ppb)
Potassium(K)	0-5 (ppb)
Magnesium (Mg)	0-10 (ppb)
Sodium(Na)	0-100 (ppb)
Any further metal (ICP-MS)	0-5 (ppb)
Transmission (at 210 nm)	≥ 35 %

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Tax ID: 91310000685518645K

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Parameter	Limit Values
Transmission (at 220 nm)	≥ 60 %
Transmission (at 230 nm)	≥ 75 %
Transmission (from 260 nm)	≥ 98 %
Suitable for LC-MS; Intensity of background mass peak based on reserpine (APCI/ESI positive)	≤ 2 ppb
Suitable for LC-MS; Intensity of background mass peak based on reserpine (APCI/ESI negative)	≤ 20 ppb
Identity by IR	Conforms to Structure
Evaporation Residue	0-1 (mg/L)
Gradient grade (at 235 nm)	0-1 (mAU)
Gradient grade (at 220 nm)	≤ 2.0 mAU

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