

Product Name: Methanol, LC-MS Grade, 99.8+%, Thermo Scientific Chemicals

Catalog Number: 047192.K2

CAS Number: 67-56-1
IUPAC Name: methanol
Molecular Formula: CH₄O
Molecular Weight: 32.04
InChI Key: OKKJLVBELUTLKV-UHFFFAOYSA-N
SMILES: CO
Synonym: methanol caswell no. 552 columbian spirits MeOH pyroxylic spirits spirit of wood
 methanol (substance) epa pesticide chemical code 053801 alcohol, wood bielecki's solution

Product Specification

Appearance (Color): Clear
Form: Liquid
Color (APHA): ≤5
Comment: Sub-micron filtered
Optical Absorbance at: 400 to 280 nm: ≤0.005 AU
Residue on Evaporation: ≤1 ppm
Elemental Analysis: ≤ 0.5ppm each for Al, Cd (at time of packaging)
Elemental Analysis: ≤0.01ppm each for Cu, Mn (at time of packaging)
Elemental Analysis: ≤0.02ppm each for Cr, Co, Pb, Ni (at time of packaging)
Elemental Analysis: ≤0.1ppm each for Ba, Ca, Fe, Mg, K, Ag, Na, Sn, Zn (at time of packaging)
Impurity content: ≤ 5ppt- as Heptachlorepoide by GC-ECD Responsive residue (single peak)
Impurity content: ≤1ppb as Quinine sulfate by Fluorescence at emissinon maximum for impurities
Impurity content: ≤5ppb as 2-Octanol by GC-FID Responsive residue (single peak)
Water Content (Karl Fischer Titration): ≤0.02%
LCMS: Negative mode (as Nitrophenol): ≤50 ppb
LCMS: Positive mode (as Reserpine): ≤50 ppb
Optical Absorbance at: 205nm: ≤1.000 AU
Optical Absorbance at: 220nm: ≤0.25 AU
Optical Absorbance at: 230nm: ≤0.12 AU
Optical Absorbance at: 240 nm: ≤0.05 AU

Optical Absorbance at:	254nm: ≤ 0.01 AU
Assay (unspecified):	LC gradient elution suitability at 254 nm: ≤ 2 mAU
Assay (GC):	$\geq 99.8\%$ (GC-FID)

Date Of Print: 07/26/2024

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.