64683 Einhausen Marie-Curie-StraBe. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
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PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:
Methanol, ACS Pur*Reagent* Plus, Reag. ISO, Reag. Ph. Eur., ≥99.8% (GC)

Product No.:	PSR49158
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	67-56-1
Molecular Formula:	CH_4O
Molecular Weight:	32.04 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay (By GC)	≥ 99.8 %	99.90 %
Water (By KF)	NMT 0.050 %	0.012 %
Density	0.791 - 0.793 g/cm^3	0.792 g/cm^3
Refractive index (at 20 °C)	1.328 - 1.330	1.329
Boiling Point	64 - 65 °C	64.4 °C
APHA	NMT 10	7
Free Acid (as HCOOH)	NMT 0.002 %	< 0.002 %
Free Alkali (as NH_3)	NMT 0.00005 %	< 0.00005 %
Residue after evaporation	NMT 0.0005 %	<0.0005 %
Reducing Substances (as O)	NMT 0.00025 %	<0.00025 %
Aldehyde (as CH_3CHO)	NMT 0.001 %	<0.001 %
Formaldehyde	NMT 0.001 %	<0.001 %
Acetaldehyde	NMT 0.001 %	<0.001 %
Ketones (as CH_3COCH_3)	NMT 0.001 %	<0.001 %
Aluminium (Al)	NMT 0.50 ppm	<0.50 ppm
Barium (Ba)	NMT 0.10 ppm	<0.10 ppm
Bismuth (Bi)	NMT 0.10 ppm	<0.10 ppm
Cadmium (Cd)	NMT 0.05 ppm	<0.05 ppm
Calcium (Ca)	NMT 0.50 ppm	<0.50 ppm
Chromium (Cr)	NMT 0.02 ppm	<0.02 ppm
Chloride (Cl)	NMT 0.50 ppm	<0.5 ppm
Cobalt (Co)	NMT 0.02 ppm	<0.02 ppm
Copper (Cu)	NMT 0.01 ppm	<0.01 ppm
Iron (Fe)	NMT 0.10 ppm	<0.10 ppm
Lead (Pb)	NMT 0.02 ppm	<0.02 ppm
Lithium (Li)	NMT 0.10 ppm	<0.10 ppm

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

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Magnesium (Mg)	NMT 0.10 ppm	<0.10 ppm
Manganese (Mn)	NMT 0.01 ppm	<0.01 ppm
Molybdenum (Mo)	NMT 0.10 ppm	<0.10 ppm
Nickel (Ni)	NMT 0.02 ppm	<0.02 ppm
Potassium (K)	NMT 0.50 ppm	<0.50 ppm
Sodium (Na)	NMT 0.50 ppm	<0.50 ppm
Sulfate (SO_4)	NMT 1.00 ppm	<1.0 ppm
Tin (Sn)	NMT 0.10 ppm	<0.10 ppm
Zinc (Zn)	NMT 0.10 ppm	<0.10 ppm
Substances Darkened (by H_2SO_4)	Complies	Complies
Carbonyl Compounds	NMT 0.005 %	<0.005 %

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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