

Certificate of Analysis

Product Name:

D-Mannitol Semiconductor grade, PurElectra, ≥ 95.0 %

Product No.: PSR50083
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 69-65-8
Molecular Formula: C₆H₁₄O₆
Molecular Weight: 182.17 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White powder	White powder
Assay	≥ 95.0 %	97.55 %
Loss on drying, 105°C	≤ 0.3%	0.25 %
Melting point	165 – 170 °C	167 °C
pH (5% solution)	5.0 – 7.5	5.75
Silver (Ag)	NMT 10 ppb	7.0 ppb
Aluminium (Al)	NMT 10 ppb	6.36 ppb
Arsenic (As)	NMT 10 ppb	7.88 ppb
Gold (Au)	NMT 10 ppb	8.34 ppb
Barium (Ba)	NMT 10 ppb	8.34 ppb
Beryllium (Be)	NMT 10 ppb	5.67 ppb
Bismuth (Bi)	NMT 10 ppb	5.45 ppb
Boron (B)	NMT 10 ppb	7.65 ppb
Calcium (Ca)	NMT 10 ppb	8.0 ppb
Cadmium (Cd)	NMT 10 ppb	4.56 ppb
Cobalt (Co)	NMT 10 ppb	6.0 ppb
Chromium (Cr)	NMT 10 ppb	5.13 ppb
Cesium (Cs)	NMT 10 ppb	8.35 ppb
Copper (Cu)	NMT 10 ppb	6.87 ppb
Iron (Fe)	NMT 10 ppb	6.23 ppb
Gallium (Ga)	NMT 10 ppb	9.34 ppb
Germanium (Ge)	NMT 10 ppb	8.67 ppb
Hafnium (Hf)	NMT 10 ppb	7.0 ppb
Indium (In)	NMT 10 ppb	6.98 ppb
Iridium (Ir)	NMT 10 ppb	5.0 ppb
Potassium (K)	NMT 10 ppb	5.21 ppb
Lithium (Li)	NMT 10 ppb	8.43 ppb

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

Magnesium (Mg)	NMT 10 ppb	6.0 ppb
Manganese (Mn)	NMT 10 ppb	9.01 ppb
Molybdenum (Mo)	NMT 10 ppb	7.02 ppb
Nickel (Ni)	NMT 10 ppb	6.0 ppb
Osmium (Os)	NMT 10 ppb	5.30 ppb
Lead (Pb)	NMT 10 ppb	8.08 ppb
Palladium (Pd)	NMT 10 ppb	9.0 ppb
Platinum (Pt)	NMT 10 ppb	5.36 ppb
Rhodium (Rh)	NMT 10 ppb	4.92 ppb
Rubidium (Rb)	NMT 10 ppb	8.45 ppb
Scandium (Sc)	NMT 10 ppb	8.0 ppb
Selenium (Se)	NMT 10 ppb	7.05 ppb
Sodium (Na)	NMT 10 ppb	6.98 ppb
Samarium (Sm)	NMT 10 ppb	7.0 ppb
Strontium (Sr)	NMT 10 ppb	5.05 ppb
Tin (Sn)	NMT 10 ppb	5.98 ppb
Terbium (Tb)	NMT 10 ppb	2.70 ppb
Tellurium (Te)	NMT 10 ppb	3.98 ppb
Thorium (Th)	NMT 10 ppb	4.0 ppb
Titanium (Ti)	NMT 10 ppb	5.34 ppb
Thallium (Tl)	NMT 10 ppb	6.45 ppb
Vanadium (V)	NMT 10 ppb	5.78 ppb
Tungsten (W)	NMT 10 ppb	8.93 ppb
Zinc (Zn)	NMT 10 ppb	7.18 ppb
Zirconium (Zr)	NMT 10 ppb	8.02 ppb

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 room Temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

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

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