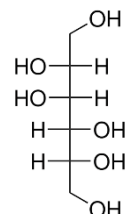


## Product Specification

Product Name:

**D-Mannitol Semiconductor grade, PurElectra, ≥ 95.0 %**

Product No.: PSR50083  
Brand: PureSynth  
CAS No.: 69-65-8  
Molecular Formula: C<sub>6</sub>H<sub>14</sub>O<sub>6</sub>  
Molecular Weight: 182.17 g/mol



Test	Specification
Appearance	White powder
Assay	≥ 95.0 %
Loss on drying, 105°C	≤ 0.3%
Melting point	165 – 170 °C
pH (5% solution)	5.0 – 7.5
Silver (Ag)	NMT 10 ppb
Aluminium (Al)	NMT 10 ppb
Arsenic (As)	NMT 10 ppb
Gold (Au)	NMT 10 ppb
Barium (Ba)	NMT 10 ppb
Beryllium (Be)	NMT 10 ppb
Bismuth (Bi)	NMT 10 ppb
Boron (B)	NMT 10 ppb
Calcium (Ca)	NMT 10 ppb
Cadmium (Cd)	NMT 10 ppb
Cobalt (Co)	NMT 10 ppb
Chromium (Cr)	NMT 10 ppb
Cesium (Cs)	NMT 10 ppb
Copper (Cu)	NMT 10 ppb
Iron (Fe)	NMT 10 ppb
Gallium (Ga)	NMT 10 ppb
Germanium (Ge)	NMT 10 ppb
Hafnium (Hf)	NMT 10 ppb
Indium (In)	NMT 10 ppb
Iridium (Ir)	NMT 10 ppb
Potassium (K)	NMT 10 ppb
Lithium (Li)	NMT 10 ppb

The information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.  
For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)

Magnesium (Mg)	NMT 10 ppb
Manganese (Mn)	NMT 10 ppb
Molybdenum (Mo)	NMT 10 ppb
Nickel (Ni)	NMT 10 ppb
Osmium (Os)	NMT 10 ppb
Lead (Pb)	NMT 10 ppb
Palladium (Pd)	NMT 10 ppb
Platinum (Pt)	NMT 10 ppb
Rhodium (Rh)	NMT 10 ppb
Rubidium (Rb)	NMT 10 ppb
Scandium (Sc)	NMT 10 ppb
Selenium (Se)	NMT 10 ppb
Sodium (Na)	NMT 10 ppb
Samarium (Sm)	NMT 10 ppb
Strontium (Sr)	NMT 10 ppb
Tin (Sn)	NMT 10 ppb
Terbium (Tb)	NMT 10 ppb
Tellurium (Te)	NMT 10 ppb
Thorium (Th)	NMT 10 ppb
Titanium (Ti)	NMT 10 ppb
Thallium (Tl)	NMT 10 ppb
Vanadium (V)	NMT 10 ppb
Tungsten (W)	NMT 10 ppb
Zinc (Zn)	NMT 10 ppb
Zirconium (Zr)	NMT 10 ppb

Specification: PE-1.0-QA/003

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