3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
myo-Inositol - suitable for microbiology, ≥99.0%

Product Number:	**57570**
Batch Number:	**BCCL2354**
Brand:	SIAL
CAS Number:	87-89-8
Formula:	C6H12O6
Formula Weight:	180,16 g/mol
Quality Release Date:	15 DEC 2023

Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder or Crystals	Powder
Purity (HPLC)	≥ 99.0 %	100.0 %
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 1g in 10ml Water	Clear	Clear
Loss on Drying	≤ 0.5 %	< 0.5 %
Sulphated Ash	≤ 0.2 %	< 0.2 %
Infrared Spectrum	Conforms to Structure	Conforms
Metal Trace Analysis (ICP)	Corresponds to Requirements	Pass
Calcium (Ca)	≤ 10 mg/kg	< 10 mg/kg
Cadmium (Cd)	≤ 5 mg/kg	< 5 mg/kg
Cobalt (Co)	≤ 5 mg/kg	< 5 mg/kg
Chromium (Cr)	≤ 5 mg/kg	< 5 mg/kg
Copper (Cu)	≤ 5 mg/kg	< 5 mg/kg
Iron (Fe)	≤ 5 mg/kg	< 5 mg/kg
Potassium (K)	≤ 50 mg/kg	< 50 mg/kg
Magnesium (Mg)	≤ 5 mg/kg	< 5 mg/kg
Manganese (Mn)	≤ 5 mg/kg	< 5 mg/kg
Sodium (Na)	≤ 50 mg/kg	< 50 mg/kg
Nickel (Ni)	≤ 5 mg/kg	< 5 mg/kg
Lead (Pb)	≤ 5 mg/kg	< 5 mg/kg
Zinc (Zn)	≤ 5 mg/kg	< 5 mg/kg

Sigma-Aldrich 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 Sigma-Aldrich.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.

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Test	Specification	Result
Arsenic (As) (MHS-AAS)	≤ 0.1 mg/kg	< 0.1 mg/kg
Chloride (Cl)	≤ 50 mg/kg	< 50 mg/kg
Sulfate (SO4)	≤ 50 mg/kg	< 50 mg/kg

Dr.Reinhold Schwenninger
Quality Assurance
Buchs,Switzerland CH

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