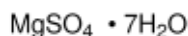


Certificate of Analysis

Product Name:

Magnesium sulfate heptahydrate - puriss. p.a., ACS reagent, ≥99.0% (KT)

Product Number: 63140
Batch Number: BCCH7490
Brand: SIGALD
CAS Number: 10034-99-8
Formula: $\text{MgO}_4\text{S} \cdot 7\text{H}_2\text{O}$
Formula Weight: 246,47 g/mol
Quality Release Date: 24 JUN 2022
Recommended Retest Date: MAY 2026



Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Powder or Crystals	Crystals
Titration with EDTA	99.0 - 101.0 %	100.0 %
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
0.5g in 10ml Water		
PH of Solution (PH)	5.0 - 8.2	6.4
0.5g in 10ml Water		
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications	Corresponds to Requirements	Corresponds
Insoluble Matter <= 0.005 %		
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)	≤ 1 mg/kg	< 1 mg/kg
Potassium (K)	≤ 10 mg/kg	< 10 mg/kg
Manganese (Mn)	≤ 5 mg/kg	< 5 mg/kg
Sodium (Na)	≤ 10 mg/kg	< 10 mg/kg
Nickel (Ni)	≤ 5 mg/kg	< 5 mg/kg
Lead (Pb)	≤ 5 mg/kg	< 5 mg/kg

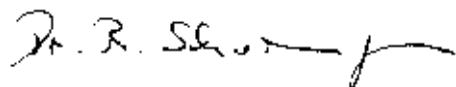
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Certificate of Analysis

Product Number: 63140
Batch Number: BCCH7490

Test	Specification	Result
Strontium (Sr)	≤ 5 mg/kg	< 5 mg/kg
Zinc (Zn)	≤ 5 mg/kg	< 5 mg/kg
Arsenic (As) (MHS-AAS)	≤ 0.1 mg/kg	< 0.1 mg/kg
Heavy Metal	≤ 5 mg/kg	< 5 mg/kg
Chloride (Cl)	≤ 5 mg/kg	< 5 mg/kg
Nitrate (NO ₃)	≤ 20 mg/kg	< 20 mg/kg
Ammonia (NH ₄) (Ion Chromatography)	≤ 20 mg/kg	< 20 mg/kg



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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