

Certificate of Analysis

Product Name:

Ammonium metavanadate - puriss. p.a., ACS reagent, ≥99.0% (RT)

Product Number: 10028
Batch Number: BCCG8272
Brand: SIGALD
CAS Number: 7803-55-6
Formula: $\text{H}_4\text{NO}_3\text{V}$
Formula Weight: 116,98 g/mol
Quality Release Date: 12 NOV 2021
Recommended Retest Date: OCT 2027



Test	Specification	Result
Appearance (Color)	White to Faint Yellow and Faint Beige	White
Appearance (Form)	Powder or Crystals	Powder
Redox Titration	99.0 - 101.0 %	99.9 %
Permanganate Titration		
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications	Corresponds to Requirements	Corresponds
Solubility in Ammonium Hydroxide Passes		
Test, Carbonate (CO_3) Passes		
Test		
Calcium (Ca)	≤ 50 mg/kg	< 50 mg/kg
(F-AAS)		
Cadmium (Cd)	≤ 10 mg/kg	< 10 mg/kg
(F-AAS)		
Cobalt (Co)	≤ 20 mg/kg	< 20 mg/kg
(F-AAS)		
Chromium (Cr)	≤ 100 mg/kg	< 100 mg/kg
(F-AAS)		
Copper (Cu)	≤ 10 mg/kg	< 10 mg/kg
(F-AAS)		
Iron (Fe)	≤ 20 mg/kg	< 20 mg/kg
(F-AAS)		
Potassium (K)	≤ 100 mg/kg	< 100 mg/kg
(F-AAS)		

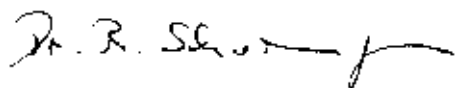
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Magnesium (Mg) (F-AAS)	≤ 10 mg/kg	< 10 mg/kg
Manganese (Mn)	≤ 10 mg/kg	< 10 mg/kg
Sodium (Na) (F-AAS)	≤ 150 mg/kg	150 mg/kg
Nickel (Ni) (F-AAS)	≤ 20 mg/kg	< 20 mg/kg
Lead (Pb) (F-AAS)	≤ 20 mg/kg	< 20 mg/kg
Zinc (Zn) (F-AAS)	≤ 10 mg/kg	< 10 mg/kg
Total Phosphorus as PO ₄ (ICP)	≤ 50 mg/kg	< 50 mg/kg
Total Sulfur as SO ₄ (ICP)	≤ 100 mg/kg	< 100 mg/kg
Chloride (Cl)	≤ 20 mg/kg	< 20 mg/kg



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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