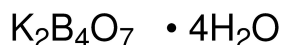


Certificate of Analysis

Product Name : Potassium tetraborate tetrahydrate ReagentPlus®, ≥99.5%
Product Number : P5754-VAR
Batch Number : 0000503982
Source Batch : 0000416216
CAS Number : 12045-78-2
MDL Number : MFCD00149924
Molecular Formula : $B_4K_2O_7 \cdot 4H_2O$
Formula Weight : 305.50 g/mol
Quality Release Date : 07 Feb 2025



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear to Slightly Hazy	Clear
200 mg/mL, H ₂ O		
Titration with HCl	≥ 99.5 %	99.7 %
Calcium (ICP)	≤ 50 mg/kg	< 50 mg/kg
Cadmium (ICP)	≤ 50 mg/kg	< 50 mg/kg
Cobalt (ICP)	≤ 50 mg/kg	< 50 mg/kg
Copper (ICP)	≤ 50 mg/kg	< 50 mg/kg
Iron (ICP)	≤ 50 mg/kg	< 50 mg/kg
Sodium (ICP)	≤ 5000 mg/kg	< 5000 mg/kg
Nickel (ICP)	≤ 50 mg/kg	< 50 mg/kg
Lead (ICP)	≤ 50 mg/kg	< 50 mg/kg
Zinc (ICP)	≤ 50 mg/kg	< 50 mg/kg
Chloride (Cl)	≤ 50 mg/kg	2 mg/kg
Total Sulfur	≤ 50 mg/kg	11 mg/kg
as sulfate		

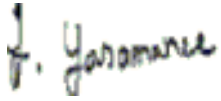
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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Product P5754-VAR
Batch 0000503982



Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

US

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