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## Product Specification

Product Name:  
Potassium sulfate – BioXtra, ≥99.0%

**Product Number:** P9458  
**CAS Number:** 7778-80-5  
**MDL:** MFCD00011388  
**Formula:** K<sub>2</sub>O<sub>4</sub>S  
**Formula Weight:** 174.26 g/mol



TEST	Specification
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Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity) 1 M in H <sub>2</sub> O	Clear
Insoluble matter	≤ 0.1 %
Chloride Content	≤ 0.001 %
Aluminum (AL)	≤ 0.0005 %
Phosphorus (P)	≤ 0.005 %
Lead (Pb)	≤ 0.001 %
Iron (Fe)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Calcium (Ca)	≤ 0.01 %
Magnesium (Mg)	≤ 0.0005 %
Sodium (Na)	≤ 0.01 %
Ammonia (NH <sub>4</sub> )	≤ 0.05 %
Titration with NaOH	≥ 99.0 %

Specification: PRD.1.ZQ5.1000009849

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](http://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.