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## Product Specification

Product Name:  
Potassium nitrate - BioXtra, ≥99.0%

**Product Number:** P6083  
**CAS Number:** 7757-79-1  
**MDL:** MFCD00011409  
**Formula:** KNO<sub>3</sub>  
**Formula Weight:** 101.1 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals
Solubility (Turbidity)	Clear
1M In Water At 20 Deg C	
Solubility (Color)	Colorless
Purity (Titration by NaOH)	≥ 99.0 %
Aluminum (Al)	≤ 0.0005 %
Calcium (Ca)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
Iron (Fe)	≤ 0.0005 %
Lead (Pb)	≤ 0.001 %
Magnesium (Mg)	≤ 0.0005 %
Phosphorus (P)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
Zinc (Zn)	≤ 0.0005 %
Chloride Content	≤ 0.002 %
Sulfate	≤ 0.003 %
Insoluble matter	≤ 0.01 %
Miscellaneous Assay	≤ 0.05
Ammonia Content, %	
Recommended Retest Period	-----
3 Years	

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.

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Specification: PRD.0.ZQ5.10000012285

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