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## Product Specification

Product Name:  
Potassium nitrite – ACS reagent, ≥96.0%

**Product Number:** 310484  
**CAS Number:** 7758-09-0  
**MDL:** MFCD00011408  
**Formula:** KNO<sub>2</sub>  
**Formula Weight:** 85.10 g/mol



TEST	Specification
Appearance (Color)	White to Yellow
Appearance (Form)	Powder or Crystals
Titration by KMNO <sub>4</sub>	≥ 96.0 %
ICP Major Analysis	Confirmed
Confirms Potassium Component	
Insoluble matter	≤ 0.01 %
20g/200ml, H <sub>2</sub> O	
Calcium (Ca)	≤ 0.005 %
Chloride Content	≤ 0.03 %
Iron (Fe)	≤ 0.001 %
Heavy Metal (as Lead)	≤ 0.001 %
as Lead	
Magnesium (Mg)	≤ 0.002 %
Sodium (Na)	≤ 0.5 %
Sulfate	≤ 0.01 %
Meets ACS Requirements	Current ACS Specification

Specification: PRD.2.ZQ5.10000004377

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.