



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Potassium Nitrate, ACS\_  
**Catalog Number:** 191428\_  
**Lot:** 9332K\_

**Formula:** KNO<sub>3</sub>  
**CAS #:** 7757-79-1  
**Physical Description:** White Crystalline Powder

**Formula Weight:** 101.10  
**Storage:** Room Temperature

Test	Specification	Result
Assay	≥99.0%	99.70%
pH (5% aq soln)	4.5 - 8.5	6.1
Insoluble Matter	≤0.005%	0.005%
Chloride (Cl)	≤0.002%	<0.0015%
Iodate (IO <sub>3</sub> )	≤5 ppm	<4 ppm
Nitrite (NO <sub>2</sub> )	≤0.001%	0.00008%
Phosphate (PO <sub>4</sub> )	≤5 ppm	<5 ppm
Sulfate (SO <sub>4</sub> )	≤0.003%	<0.002%
Heavy Metals (as Pb)	≤5 ppm	<3 ppm
Iron (Fe)	≤3 ppm	<2 ppm
Calcium (Ca)	≤0.005%	0.004%
Magnesium (Mg)	≤0.002%	0.0006%
Sodium (Na)	≤0.005%	0.004%

*Christina Marotta*

01/19/2011 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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<http://www.mpbio.com>

Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)