



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Potassium Nitrate, ACS_
Catalog Number: 191428_
Lot: 5459K_

Formula: KNO₃
CAS #: 7757-79-1
Physical Description: White Powder

Formula Weight: 101.10
Storage: Room Temperature

Test	Specification	Result
Assay	≥99.0%	99.28%
pH (5% aq soln)	4.5 - 8.5	6.67
Insoluble Matter	≤0.005%	0.003%
Chloride (Cl)	≤0.002%	<0.002%
Iodate (IO ₃)	≤5 ppm	<5 ppm
Nitrite (NO ₂)	≤0.001%	<0.001%
Phosphate (PO ₄)	≤5 ppm	<5 ppm
Sulfate (SO ₄)	≤0.003%	<0.003%
Heavy Metals (as Pb)	≤5 ppm	<5 ppm
Iron (Fe)	≤3 ppm	<3 ppm
Calcium (Ca)	≤0.005%	0.0004%
Magnesium (Mg)	≤0.002%	0.0003%
Sodium (Na)	≤0.005%	0.0048%

Water (Internal): 0.14%

Christina Marotta

12/14/2009 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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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)