



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Potassium Nitrate, ACS_
Catalog Number: 191428_
Lot: QR14384_

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

Formula Weight: 101.10
Storage: 15-30°C

Test	Specification	Result
Assay	≥99.0%	99.30%
pH (5% aq soln)	4.5 - 8.5	5.98
Insoluble Matter	≤0.005%	0.003%
Chloride (Cl)	≤0.002%	0.001%
Iodate (IO ₃)	≤5 ppm	3 ppm
Nitrite (NO ₂)	≤0.001%	0.0005%
Phosphate (PO ₄)	≤5 ppm	3 ppm
Sulfate (SO ₄)	≤0.003%	0.003%
Heavy Metals (as Pb)	≤5 ppm	3 ppm
Iron (Fe)	≤3 ppm	2 ppm
Calcium (Ca)	≤0.005%	0.002%
Magnesium (Mg)	≤0.002%	0.001%
Sodium (Na)	≤0.005%	0.004%

Water (internal): 0.2%
Recommended Retest Date: 07/09/2021

07/11/2017 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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