

Certificate of Analysis

Product Description: Potassium Nitrate, ACS_
Catalog Number: 191428_
Lot: SR00481_

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%	99.83%
pH (5% aq soln)	4.5 - 8.5	6.27
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%	0.0001%
Magnesium (Mg)	≤0.002%	0.0001%
Sodium (Na)	≤0.005%	0.002%

Water: 0.087%

Recommended Retest Date: 07/27/2021

01/28/2019 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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