

Certificate of Analysis

Product: Potassium Nitrate Powder
Item Number: PONPM
Grade: Multi Compendial (ACS, USP, FCC)
Lot Number: KEB00722
Manufacture Date: 02/02/2022
Expiration Date: 02/01/2027
Country of Origin: United States

Tested Property	Specification	Analysis
Appearance	White crystal or powder	Pass
Identification A,B	To pass the test	Pass
Assay	Min 99.0%	99.35%
pH of a 5% solution @25°C	4.5 - 8.5	6.09
Insoluble matter	Max 0.005%	0.003%
Chloride	Max 0.002%	<0.002%
Iodate	Max 5 ppm	<5 ppm
Nitrite	Max 0.001%	<0.001%
Phosphate	Max 5 ppm	<5 ppm
Sulfate	Max 0.003%	<0.003%
Heavy metals	Max 5 ppm	<5 ppm
Iron	Max 3 ppm	<3 ppm
Calcium	Max 0.005%	<0.005%
Magnesium	Max 0.002%	<0.002%
Sodium	Max 0.005%	0.001%
Lead	Max 4 mg/kg	<2 mg/kg
Arsenic	Max 3 ppm	<3 ppm
Loss on drying @105°C/4 hrs	Max 1.0%	0.12%

Potassium Nitrate Powder

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