

Certificate of Analysis

Product: Potassium Nitrate Powder

Item Number: PONPM

Grade: ACS/USP/FCC

Lot Number: 5000708/1.1

Manufacture Date: 03/05/2024

Expiration Date: 03/04/2029

Country of Origin: India

Tested Property	Specification	Analysis
Appearance	White or colorless crystalline powder	Pass
Identification	To pass the test	Pass
Assay	Min 99.00%	99.38%
pH of a 5% solution @25°C	4.5 - 8.5	5.82
Insoluble matter	Max 0.005%	0.003%
Chloride	Max 0.002%	<0.002%
Iodate	Max 5 ppm	<5 ppm
Nitrite	Max 0.005%	<0.001%
Phosphate	Max 5 ppm	<5 ppm
Sulfate	Max 0.003%	<0.003%
Heavy metals by ICP-OES	Max 5 ppm	<5 ppm
Iron	Max 3 ppm	<3 ppm
Calcium	Max 0.005%	<0.0014%
Magnesium	Max 0.002%	<0.0008%
Sodium	Max 0.005%	<0.004%

Potassium Nitrate Powder

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are

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