

### Certificate of Analysis

**Product: Potassium Nitrate Powder**  
**Item Number: PONPM**  
**Grade: ACS/USP/FCC**  
**Lot Number: 5000424/1.1**  
**Manufacture Date: 09/28/2023**  
**Expiration Date: 09/27/2028**  
**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%	99.34%
pH of a 5% solution @25°C	4.5 - 8.5	6.84
Insoluble matter	Max 0.005%	0.004%
Chloride	Max 0.002%	<0.002%
Iodate	Max 5 ppm	<5 ppm
Nitrite	Max 0.005%	<0.0005%
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%
Arsenic	Max 3 ppm	<3 ppm
Lead	Max 10 ppm	None detected

#### Potassium Nitrate Powder

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory

Phone: 512-668-9918, Fax: 512-886-4008,  
 E-mail: [Customerservice@laballey.com](mailto:Customerservice@laballey.com),  
[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

© copyright: 2023 Lab Alley



**LAB ALLEY**  
ESSENTIAL CHEMICALS



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 beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

This document was electronically issued and is therefore valid without a signature.

Phone: 512-668-9918, Fax: 512-886-4008,  
E-mail: [Customerservice@laballey.com](mailto:Customerservice@laballey.com),  
[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

© copyright: 2023 Lab Alley