

### Certificate of Analysis

**Product: Potassium Nitrate Powder**  
**Item Number: PONPM**  
**Grade: ACS**  
**Lot Number: 5000708/1.2**  
**Manufacture Date: 06/08/2024**  
**Expiration Date: 06/07/2029**  
**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%                            | 99.61%   |
| pH of a 5% solution @25°C | 4.5 - 8.5                             | 6.74     |
| Insoluble matter          | Max 0.005%                            | 0.003%   |
| 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%                            | <0.005%  |
| Magnesium                 | Max 0.002%                            | <0.0001% |
| Sodium                    | Max 0.005%                            | <0.0026% |

#### 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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