

## Certificate of Analysis

Date of Testing: 2023-01-06 10:00:34

Date of Next Testing: 2027-01-05 10:00:34

Product Name: **Ammonium phosphate monobasic**

CAS Number: 7722-76-1

Specifications & Purity:  $\geq 99.99\%$  metals basis

Lot #: L2216187

SKU #: **A111772**

**Analysis: 159828**

Parameter	Limit Values	Result
(NO <sub>3</sub> )Nitrate	0-0.001 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	1.32 ppm
Calcium(Ca)	0-0.001 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.01 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-5 (ppm)	1.37 ppm
PH at 25°C(5% in water)	3.8-4.4	4.14
Total Metallic Impuritie	0-100 (ppm)	99.00 ppm
Purity(Based on Trace Metals Impurities of ICP)	99.99-100 (%)	99.99 %
Purity (Titration by NaOH)	99-100 (%)	99.81 %
Appearance (A111772)	White crystals	White crystals
ICP: Confirms Phosphorus Component	Confirmed	Confirmed
Solubility in H <sub>2</sub> O , Colorless,Clear,100 mg/mL, H <sub>2</sub> O	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager