

Certificate of Analysis

Date of Testing: 2023-04-15 08:23:25
Date of Next Testing: 2027-04-14 08:23:25
Product Name: **Ammonium phosphate monobasic**
CAS Number: 7722-76-1
Specifications & Purity: for HPLC, $\geq 99.0\%$ (T)
Lot #: D2312311
SKU #: **A111775**
Analysis: **211947**

| Parameter | Limit Values | Result |
|--|--------------------------|--------------------------|
| UV Absorbance 210nm | 0-0.05 | 0.02 |
| UV Absorbance 230nm | 0-0.03 | 0.01 |
| UV Absorbance 220nm | 0-0.04 | 0.02 |
| UV Absorbance 240nm | 0-0.02 | 0.01 |
| Purity (T) | 99-100 (%) | 99.92% |
| PH | 4-5 | 4.01 |
| UV Absorbance 500nm | 0-0.02 | 0.01 |
| Assay | 99-102.5 (%) | 100.00% |
| Appearance (A111775) | White Powder or Crystals | White Powder or Crystals |
| Filtration test | corresponds to standard | corresponds to standard |
| RP gradient test | pass test | pass test |
| Solubility in H ₂ O , soluble 0.1 g/mL at 25 °C, clear, colorless | pass | Pass |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |
| λ , 10% in H ₂ O | Pass | Pass |



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