

Certificate of Analysis

Date of Testing: 2023-02-22 18:39:38
Date of Next Testing: 2027-02-21 18:39:38
Product Name: **Potassium hydrogen phthalate**
CAS Number: 877-24-7
Specifications & Purity: for HPLC, >99.5%
Lot #: B2313071
SKU #: **P112256**
Analysis: **190798**

| Parameter | Limit Values | Result |
|---|--------------------------|--------------------------|
| UV Absorbance 340nm | 0-0.03 | 0.02 |
| UV Absorbance 330nm | 0-0.05 | 0.04 |
| UV Absorbance 350nm | 0-0.02 | 0.02 |
| UV Absorbance 500nm | 0-0.02 | 0.01 |
| Assay | 99.8-100 (%) | 99.80% |
| Melting point | 295-300 (°C) | 298.05000 °C |
| PH(10% in water 25°C) | 3.5-5 | 4.56 |
| Appearance (P112256) | White Powder or Crystals | White Powder or Crystals |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , soluble 100 mg/mL, Colorless transparent | pass | Pass |
| λ, 10% in H ₂ O | Pass | Pass |



John Su
QA & QC Manager