

Certificate of Analysis

Date of Testing: 2023-04-21 10:49:14
Date of Next Testing: 2027-04-20 10:49:14
Product Name: **Hydroquinine**
CAS Number: 522-66-7
Specifications & Purity: $\geq 95.0\%$ (sum of enantiomers, HPLC)
Lot #: D2314133
SKU #: **H101601**
Analysis: 216096

| Parameter | Limit Values | Result |
|---|--|--|
| Loss on drying | 0-1 (%) | 0.38 % |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH (dry base)})$ | -148--139 ($^{\circ}$) | -147.80 $^{\circ}$ |
| Purity(sum of enantiomers, HPLC) | 95-100 (%) | 98.14 % |
| Appearance (H101601) | White to Off-White to Tan Powder or Crystals | White to Off-White to Tan Powder or Crystals |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager