

## Certificate of Analysis

Date of Testing: 2025-03-06 14:50:57

Date of Next Testing: 2028-03-05 14:50:57

Product Name: **Quinine hydrochloride**

CAS Number: 130-89-2

Specifications & Purity:  $\geq 98\%$

Lot #: F2205546

SKU #: **Q288668**

Version: **2**

Analysis #: **480156**

Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                             | Limit Values             | Result                   |
|---------------------------------------|--------------------------|--------------------------|
| Purity(HPLC)                          | 98-100 (%)               | 99.80000 %               |
| Purity(Titration by $\text{AgNO}_3$ ) | 97.5-102.5 (%)           | 99.35 %                  |
| Appearance(Q288668)                   | White cryatalline powder | White cryatalline powder |
| Proton NMR spectrum                   | Conforms to structure    | Conforms to Structure    |



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