



Version
Molecular weight
Molecular Formula
CAS No
Linear Formula
Flash Point (°C)

00
782.96
C40 H48 N4 O4 . H2 S O4 . 2 H2 O
6119-70-6

Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

| | | | |
|-----------------------|---|-----------------------------|------------|
| Catalog Number | 41878 | Quality Test / Release Date | 05/06/2024 |
| Lot Number | A0462238 | Suggested retest date | 05/06/2029 |
| Description | Quinine sulfate dihydrate, specified according to the requirements of USP | | |
| Country of Origin | CHINA | | |
| Declaration of Origin | plant | | |

| | |
|----------|--|
| BSE/TSE | |
| Chemical | |

| Result name | Specifications | Test Value |
|---------------------------|--|--|
| Appearance (Color) | White | White |
| Appearance (Form) | Powder or crystals or needles | Powder |
| Identification A | Passes test | Passes test |
| Identification B | Passes test | Passes test |
| Identification C | Passes test | Passes test |
| Titration with HClO4 | 99.0 to 101.0 % (on anhydrous basis) | 100.7 % (on anhydrous basis) |
| Water | 4.0 to 5.5 % (K.F.) | 4.7 % (K.F.) |
| Residue after ignition | =<0.1 % | 0.001 % |
| Heavy metals | =<10 ppm | =<10 ppm |
| Insoluble matter | =<0.1 % (in mixture of chloroform-alcohol (2:1)) | =<0.1 % (in mixture of chloroform-alcohol (2:1)) |
| Organic impurities | Passes test | Passes test |
| Dihydroquinine sulfate | =<10.0 % | 6.9 % |
| Specific optical rotation | -235° to -245° (20°C, 589 nm) (c=2, 0.1 N HCl) | -241° (20°C, 589 nm) (c=2, 0.1 N HCl) |
| Specific optical rotation | on anhydrous basis | on anhydrous basis |

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