



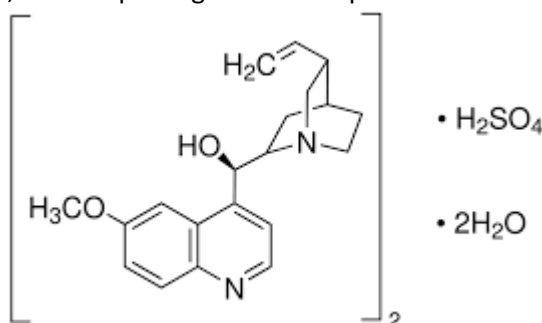
## Certificate of Analysis.

### Quinine sulphate Reference standard, AnStan<sup>®</sup>.

Product code:	<b>BS10516.</b>
Description:	<b>Quinine sulphate Reference standard, AnStan<sup>®</sup>.</b>
Chemical Name:	<b>Quinine Sulfate Dihydrate.</b>
Pack:	<b>1 gm.</b>
CAS NO.:	<b>6119-70-6.</b>
Mol. Weight:	<b>2324.42 g/mol.</b>
Mol. Formula:	<b>2(C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub>). H<sub>2</sub>SO<sub>4</sub>. 2(H<sub>2</sub>O).</b>
MDL Number:	<b>MFCD00150792.</b>
Melting point:	<b>234 °C.</b>
Boiling Point:	<b>495.90 °C.</b>
Density:	<b>NA.</b>
Solubility:	<b>Miscible in DMSO (Slightly), Ethanol, Methanol (Slightly).</b>
Storage:	<b>Store at ambient temperature.</b>
LOT NO.:	<b>Sample.</b>
Manufacture Date:	<b>Lot specific.</b>
Expiry Date:	<b>5 years.</b>

Test	Specification	Measured Values
Appearance:	White Solid.	<b>Lot specific.</b>
Identification by NMR:	Confirms to the structure.	<b>Lot specific.</b>
Identification by MASS:	Confirms to the structure.	<b>Lot specific.</b>
Identification by IR:	Confirms to the structure.	<b>Lot specific.</b>
Purity by GC:	>99%.	<b>Lot specific.</b>

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.



  
**Dr. K. Deepti.**  
**Technical Head.**

