

# Chem-Impex International, Inc.

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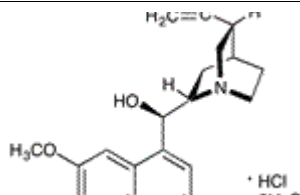
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Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



## Product Specifications

<b>Catalogue Number</b>	22213
<b>Product</b>	<b>Quinine hydrochloride dihydrate</b>
<b>CAS Number</b>	6119-47-7
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub> •HCl•2H <sub>2</sub> O
<b>Molecular Weight</b>	396.91

<b>Appearance</b>	White or almost white or colorless, fine, silky needles, often in clusters.
<b>Appearance of Solution</b>	Solution is clear and not more intensely colored than reference solution Y6
<b>Solubility</b>	Soluble in water, freely soluble in ethanol (96%)
<b>Anion</b>	Sulphates : ≤ 500 ppm
<b>Cation</b>	Barium : To pass test as per B.P.
<b>pH</b>	6.0 - 6.8
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -245 to -258 °
<b>Loss on Drying</b>	6 - 10%
<b>Related Substances</b>	Other cinchona alkaloids (Dihydroquinine) : ≤ 10% Any related substance eluted before quinine : ≤ 5% Any other related substance : ≤ 2.5%
<b>Sulfated Ash</b>	≤ 0.1%
<b>Assay by titration</b>	99 - 101% (On dry basis)
<b>Grade</b>	BP
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification : A) By TLC : Complies B) By color test : Complies C) By fluorescence test : Complies D) To give reaction of Chloride : Complies E) By PH : Complies

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**For Laboratory Use Only**