

# QUININE SULFATE

**BP 2026 / Ph.Eur. 12<sup>th</sup> Edt.**

## APPEARANCE

White or almost white or colourless, fine, silky needles, often in clusters

## PARAMETER

## LIMIT

Identification A. TLC / B. Bromine water-ammonia test / C. Fluorescence / D. Sulfate test / E. pH	passes
Appearance of solution	clear and $\leq$ GY <sub>6</sub>
pH	5.7 – 6.6
Loss on drying	3.0 to 5.0 %
Specific optical rotation (on dry basis, c = 2.0 in 0.1 M HCl, $[\alpha]^{20}_D$ )	- 237° to - 245°
Other Cinchona alkaloids (HPLC)	
Dihydroquinine Sulfate	$\leq$ 10.0 %
Any other impurity eluted before Quinine	$\leq$ 5.0 %
Any other impurity	$\leq$ 2.5 %
Sulfated ash	$\leq$ 0.1 %
Assay (on dry basis)	99.0 to 101.0 %
Residual solvents	meets the pharmacopoeial requirements

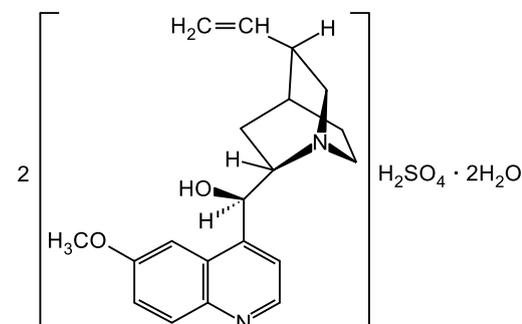
## ORIGIN

Product is made in Germany.

## CHEMICAL DATA

Formula C<sub>40</sub>H<sub>48</sub>N<sub>4</sub>O<sub>4</sub>·H<sub>2</sub>SO<sub>4</sub>·2H<sub>2</sub>O

CAS Number 6119-70-6



## STANDARD PACKAGING

25 kg Unit

Outer container	Fiber drum
Outer liner	LDPE
Inner liner	LDPE

## STABILITY

Product is stable for 5 years from date of production if stored under recommended conditions in original packaging.

## STORAGE

Store in the original packaging to protect from light. No specific temperature requirements.

## VERSION / VALID FROM

05 / 05.01.2026