

QUININE FORMATE

Buchler specification (Pharma)

APPEARANCE

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

PARAMETER

LIMIT

Identification A. TLC / B. / Formate test / C. Fluorescence / D. Bromine water-ammonia test	passes
Appearance of solution	clear and $\leq$ GY ₆
pH	6.0 – 7.0
Water	3.5 to 5.5 %
Specific optical rotation (on dry basis, c = 4.0 in 0.1 M HCl, $[\alpha]^{20}_D$)	- 238 ° to - 250 °
Other Cinchona alkaloids (HPLC)	
Dihydroquinine	$\leq$ 10.0 %
Any other impurity eluted before Quinine	$\leq$ 5.0 %
Any other impurity	$\leq$ 2.5 %
Sulfates	$\leq$ 500 ppm
Barium	no turbidity produced
Sulfated ash	$\leq$ 0.1 %
Sieve analysis	95 % < 100 μ m
Assay (on dry basis)	99.0 to 101.0 %
Residual solvents	meets the pharmacopoeial requirements

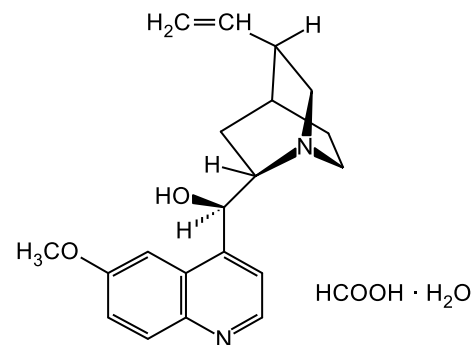
ORIGIN

Product is made in Germany.

CHEMICAL DATA

Formula $C_{20}H_{24}N_2O_2 \cdot HCOOH \cdot H_2O$

CAS Number 130-90-5



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

01 / 07.04.2022