

QUININE BASE

Buchler specification

APPEARANCE

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

PARAMETER

LIMIT

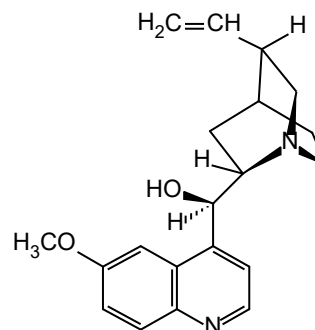
Identification A. TLC / B. Solubility in toluene / C. Bromine water-ammonia test / D. Fluorescence	passes
Appearance of solution	clear
Alkaline impurities	passes
Chloroform-alcohol-insoluble substances	clear
Loss on drying	≤ 1.0 %
Specific optical rotation (on dry basis, c = 1.5 in EtOH, $[\alpha]^{20}_D$)	- 159 ° to - 172 °
Other Cinchona alkaloids (HPLC)	
Dihydroquinine	≤ 5.0 %
Other cinchona alkaloids	≤ 2.0 %
Sulfates	≤ 500 ppm
Chlorides	≤ 200 ppm
Sulfated ash	≤ 0.1 %
Heavy metals	≤ 10 ppm
Arsenic	≤ 3 ppm
Zinc	≤ 25 ppm
Assay (on dry basis)	≥ 98.5 %
Melting point	174 to 179 °C
Residual solvents	meets the pharmacopoeial requirements

ORIGIN

Product is made in Germany.

CHEMICAL DATA

Formula C₂₀H₂₄N₂O₂
CAS Number 130-95-0



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