

QUININE BASE

Buchler specification (Fine chemical, highly purified)

APPEARANCE

White or almost white, crystalline powder or fine, colourless needles

PARAMETER

LIMIT

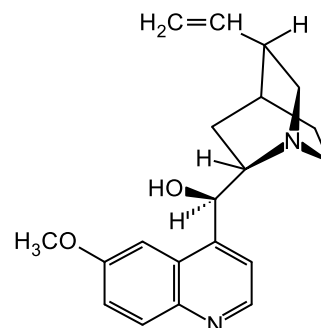
Identification by HPLC	passes
Water content (Karl Fischer)	≤ 1.0 %
Specific optical rotation (on dry basis, c = 2.0 in MeOH, [α] ²⁰ _D)	- 167° to - 179°
Cinchona alkaloids (HPLC Area%)	
Quinine	≥ 99.5 %
Dihydroquinine	≤ 0.4 %
Sum of other impurities	≤ 0.1 %
Assay (on dry basis)	≥ 98.0 %
Sulfates	≤ 1000 ppm
Chlorides	≤ 1000 ppm

ORIGIN

Product is made in the European Union.

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

03 / 11.08.2023

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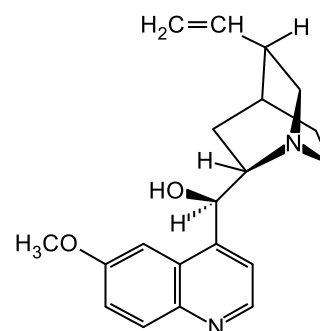
Identification by HPLC	passes
Water content (Karl Fischer)	≤ 1.0 %
Specific optical rotation (on dry basis, c = 2.0 in MeOH, $[\alpha]^{20}_D$)	- 167° to - 179°
Cinchona alkaloids (HPLC Area%)	
Quinine	≥ 93.0 %
Dihydroquinine	≤ 5.0 %
Sum of other impurities	≤ 2.0 %
Assay (on dry basis)	≥ 98.0 %
Sulfates	≤ 1000 ppm
Chlorides	≤ 1000 ppm

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VERSION / VALID FROM

04 / 13.01.2025