Buchler GmbH
Harxbütteler Strasse 3
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Germany

www.buchler-gmbh.com

QUINIDINE BASE

Buchler specification (Pharma)

APPEARANCE

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

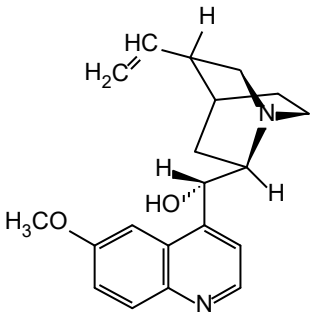
PARAMETER	LIMIT
Identification A. TLC / B. Bromine water-ammonia test / C. Fluorescence	passes
Solubility in toluene	clear
Appearance of solution	clear and ≤ GY_6
pH	6.5 – 9.5
Chloroform-alcohol-insoluble substances	≤ 0.1 %
Readily carbonizable substances	colour ≤ Matching Fluid M
Loss on drying	≤ 1.0 %
Specific optical rotation (on dry basis, c = 2.0 in 0.2 M HCl, $[\alpha]^{20}_D$)	+ 324 ° to + 334 °
Other Cinchona alkaloids (HPLC) Dihydroquinidine ∑ Cinchonine + Dihydrocinchonine	 ≤ 15.0 % ≤ 2.0 %
Boron	≤ 5 ppm
Sulfates	≤ 500 ppm
Chlorides	≤ 200 ppm
Sulfated ash	≤ 0.1 %
Assay (on dry basis)	99.0 to 101.0 %
Melting point	168 to 173.4 °C
Residual solvents	meets the pharma-copoeial requirements

ORIGIN

Product is made in Germany.

CHEMICAL DATA

Formula	$C_{20}H_{24}N_2O_2$
CAS Number	56-54-2



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