

# CINCHONINE HYDROCHLORIDE

## Buchler specification (Pharma)

### APPEARANCE

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

### PARAMETER

### LIMIT

Identification	passes
A. Retention time – HPLC / B. Chloride test	
Appearance of solution	clear and $\leq Y_6$
pH	6.0 – 6.8
Loss on drying	6.0 to 10.0 %
Specific optical rotation (on dry basis, $c = 2.0$ in 0.1 M HCl, $[\alpha]^{20}_D$ )	+ 220 ° to + 235 °
Other Cinchona alkaloids (HPLC)	
Dihydrocinchonine	$\leq 20.0$ %
$\Sigma$ Quinidine + Dihydroquinidine	$\leq 5.0$ %
Any other impurities	$\leq 2.5$ %
Sulfates	$\leq 500$ ppm
Barium	no turbidity produced
Sulfated ash	$\leq 0.1$ %
Assay (on dry basis)	99.0 to 101.0 %
Residual solvents	meets the pharmacopoeial requirements

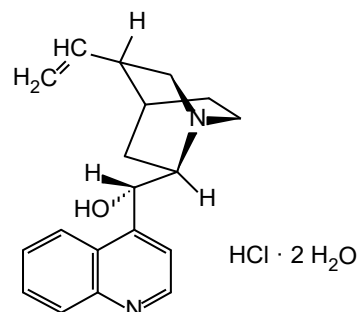
### ORIGIN

Product is made in Germany.

### CHEMICAL DATA

Formula  $C_{19}H_{22}N_2O \cdot HCl \cdot 2H_2O$

CASNumber 24302-67-8



### 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