

PRODUCT IDENTITY

PRODUCT NAME	Cinchonine Sulfate Dihydrate	PRODUCT NUMBER	C134223
Grades & Purity	≥98%	VERSION	3
CAS NUMBER	5949-16-6	FORMULA	C ₃₈ H ₄₄ N ₄ O ₂ ·H ₂ SO ₄ ·2H ₂ O
FORMULA WEIGHT	686.87(as Anhydrous)g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Purity(HPLC)	85-100 (%)
Water by Karl Fischer	4.7-5.2 (°)
Purity(Neutralization titration)	98-100 (%)
Specific Rotation [α] ₂₀ /D(c=1 in EtOH)	188-192 (°)
Proton NMR spectrum	Conforms to Structure