

Specification Sheet

Product Name: **Quinine**
Specifications & Purity: for fluorescence, $\geq 98.0\%$
SKU #: **Q105030**

Parameter	Limit Values
Purity(dried material, NT)	97.5-102.5 (%)
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	-131--121 ($^{\circ}$)
Melting point	173-175 ($^{\circ}\text{C}$)
loss on drying, 110 $^{\circ}\text{C}$	0-1 (%)
Appearance (Q105030)	white to light grey powder
Fluorescence, λ_{ex} 347 nm; λ_{em} 448 nm in 0.5 M sulfuric acid	Conforms
Infrared spectrum	Conforms to Structure
suitability for fluorescence	pass
dihydroquinine(NMR)	0-5 (%)