

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Quinine hydrochloride dihydrate**
Specifications & Purity: 99%,for fluorescenceAnalysis
SKU # **Q107528**

Parameter	Limit Values
Purity(Neutralization titration)	98.5-101.5 (%)
Sulfate Ash	0-0.1 (%)
Appearance (Q107528)	white 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
Loss on drying(105 °C, 60 Minutes)	0-10 (%)
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 0.1 \text{ M HCl in calcd.on dried})$	-255~-245 (°)