

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Quinine sulfate dihydrate**
Specifications & Purity: biological reagent grade , 99.0%,BioReagent, suitable for fluorescence
SKU # **Q110176**

Parameter	Limit Values
Water by Karl Fischer	2-6 (%)
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 0.1 \text{ M HCl})$	-235--225 (°)
Purity (Titration by NaOH)(anhydrous) dihydroquinine sulfate (HPLC)	98.5-101.5 (%) 0-10 (%)
Appearance (Q110176)	White to Off-White Powder
Fluorescence, λ_{ex} 347 nm; λ_{em} 448 nm in 0.5 M sulfuric acid	Conforms
Proton NMR spectrum suitability for fluorescence	Conforms to Structure pass