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Specification Sheet

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

Parameter

Water by Karl Fischer
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 0.1 \text{ M HCl})$
Purity (Titration by NaOH)(anhydrous)
dihydroquinine sulfate (HPLC)
Appearance (Q110176)
Fluorescence, $\lambda_{\text{ex}} 347 \text{ nm}$; $\lambda_{\text{em}} 448 \text{ nm}$ in 0.5 M sulfuric acid
Proton NMR spectrum
suitability for fluorescence

Limit Values

2-6 (%)
-235--225 (°)
98.5-101.5 (%)
0-10 (%)
White to Off-White Powder
Conforms
Conforms to Structure
pass

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