

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Tetracycline hydrochloride**
Specifications & Purity: 96%
SKU #: **T140622**

Parameter	Limit Values
Purity(HPLC)	96-100 (%)
Purity(NonaqueousTitration)	95.5-104.5 (%)
Loss on drying	0-2 (%)
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in } 0.1\text{mol/L HCl})$	-255--240 (°)
Appearance (T140622)	yellow powder or crystals
Proton NMR spectrum	Conforms to Structure
Solubility in H ₂ O , Yellow to Yellow-Orange,Clear,50 mg/ml	pass