

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Tetracycline hydrochloride**
Specifications & Purity: **USP grade**
SKU #: **T105493**

Parameter	Limit Values
Sulfate Ash	0-0.5 (%)
PH (1 %; Water)	2-3
Hydrochloric acid 4 - sent to dehydration tetracycline	0-2 (%)
Potency (mcg/mg)	≥900
Loss on drying	0-2 (%)
Specific Rotation $[\alpha]_{20}^D(c=0.5 \text{ in } 0.1\text{mol/L HCl})$	-255--240 (°)
Purity(HPLC)	95-100 (%)
Appearance (T105493)	yellow powder or crystals
Proton NMR spectrum	Conforms to Structure
Solubility in H ₂ O , Yellow to Yellow-Orange,Clear,50 mg/ml	pass