

## Specification Sheet

Product Name: **Chlorotetracycline hydrochloride**  
Specifications & Purity: USP grade,  $\geq 80.0\%$ (HPLC)  
SKU # **C103022**

Parameter	Limit Values
Assay	99-101 (%)
Loss on drying	0-2 (%)
pH	2.3-3.3
Specific Rotation $[\alpha]_{20/D}$	-250--235 ( $^{\circ}$ )
potency	$\geq 900$ ( $\mu\text{g}/\text{mg}$ )
Purity(HPLC)	80-100 (%)
Appearance (C103022)	yellow powder or crystals
Bacterial Growth Test	Pass
Infrared spectrum	Conforms to Structure
Solubility in H <sub>2</sub> O , clear (1.0%)	pass