

Specification Sheet

Product Name: **Chlortetracycline hydrochloride**
Specifications & Purity: $\geq 91.0\%$ dry basis (HPLC)
SKU #: **C433236**

Parameter	Limit Values
Appearance(C433236)	Yellow to Yellow-Brown Powder or Crystals
Related Substances((HPLC)-4-Epichlortetracycline)	≤ 4 (%)
Related Substances((HPLC)-Tetracycline HCl)	≤ 8.0 (%)
Related Substances((HPLC)-Other impurity)	≤ 1.5 (%)
Assay (dry basis)	≥ 91.0 (%)
Loss on drying	0-1 (%)
Specific Rotation $[\alpha]_{25}^D(c=0.5, H_2O)$	-250--235 (°)
pH	2.3-3.3
UV Absorbance 460nm	≤ 0.40
Infrared spectrum	conforms to structure