



# INDOFINE Chemical Company, Inc.

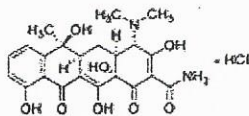
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## Product Specifications



Catalogue Number	BIO-392
Product	<b>Tetracycline hydrochloride</b>  Achromycin hydrochloride
CAS Number	64-75-5
Molecular Formula	$C_{22}H_{24}N_2O_8 \cdot HCl$
Molecular Weight	480.90
Appearance	Yellow crystalline powder
Crystallinity	To pass test
Heavy Metals	$\leq 0.005\%$
pH	1.8-2.8 (C=1% in Water at 25 °C)
Optical Rotation	-240 to -255°
Loss on Drying	$\leq 2\%$
Residual Solvents	Acetone (GC): $\leq 100$ ppm n-Butanol (GC): $\leq 3000$ ppm
Related Substances	4-Epitetracycline: $\leq 3.0\%$ 4-Ephianhydrotetracycline: $\leq 2\%$ Anhydrotetracycline: $\leq 0.5\%$ Chlortetracycline hydrochloride: $\leq 0.5\%$ Maximum single unknown impurity: $\leq 0.1\%$
Potency (Anhydrous Basis)	$\geq 900$ µg/mg
Grade	USP
Storage	Store at 0-8 °C
Additional Information	Identification: To pass test