

Product Specification

Product Name: Tetracycline hydrochloride *copoeia

Item Nr.: 1379

MW: 480.90 g/mol

C22H24N2O8*HCl

CAS Nr.: 64-75-5

E.C.Nr.:

EINECS: 200-593-8

Parameter	Method	Specification	Unit
Appearance	visual	yellow crystalline powder	
Solubility	1% in H2O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	6-8	
Assay	HPLC	95 - 102	%
pH	1% in H2O	1.8 - 2.8	
Loss on drying	3h, 60 °C Vac.	<2.0	%
Optical rotation	$[\alpha]_{20D}$ 1% in 0.1 N HCl	- 240 - -255	°
Potency		>900	µg/mg
Related Substances	HPLC, Total impurities	<5.0	%
Sulfated ash		<0.5	%

Storage: Keep well closed at -20°C. Store solutions frozen.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 02/24.11.2021