



Certificate of Analysis

TETRACYCLINE HCl

<u>Catalog #</u> IB02200	<u>Size</u> 25 gm
-----------------------------	----------------------

Catalog Number: IB02200

Lot Number: 18L2004

Molecular Formula: $C_{22}H_{24}N_2O_8HCl$

Molecular Weight: 480.90

Appearance: Yellow, crystalline powder

<u>Assay</u>	<u>Min</u>	<u>Max</u>	<u>Actual</u>	<u>Units</u>	<u>Disposition</u>
Identification	PASS		PASS	P/F	PASS
Crystallinity	PASS		PASS	P/F	PASS
pH	1.8	2.8	2.4		PASS
Specific Rotation	-258	-240	-245	°	PASS
Related Substances:					
4-Epitetracycline		3.0	1.17	%	PASS
Anhydrotetracycline		0.5	0.06	%	PASS
4-Epianhydrotetracycline		0.5	0.01	%	PASS
2-Acetyl-2-decarbamoyletetracycline		1.5	0.05	%	PASS
Loss on Drying		2.0	0.33	%	PASS
Sulphate Ash		0.5	0.03	%	PASS
Assay (on dried basis)	95.0	102.0	98.8	%	PASS
Retest Date			04/2021		

Storage

Store at +4°C. Warm to room temperature before opening. Keep tightly sealed. Store Tetracycline Hydrochloride solution in a light-tight container at -20°C.

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature: Toby Frericks
Date: 12/13/18