



Certificate of Analysis

TETRACYCLINE HCl

<u>Catalog #</u> IB02200	<u>Size</u> 25 gm
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Catalog Number: IB02200

Lot Number: 13I1150

Molecular Formula: C₂₂H₂₄N₂O₈HCl

Molecular Weight: 480.90

Appearance: Yellow powder

<u>Assay</u>	<u>Min</u>	<u>Max</u>	<u>Actual</u>	<u>Units</u>	<u>Disposition</u>
Potency (Anhydrous)	900		965.03	mcg/mg	PASS
Potency (As Is)	REPORT		963	mcg/mg	PASS
Identification	PASS		PASS	P/F	PASS
Crystallinity	PASS		PASS	P/F	PASS
pH (1%, Water) @20°C	1.8	2.8	2.49		PASS
Loss on Drying		2.0	0.21	%	PASS
4-Ephianhydrotetracycline		2.0	0.04	%	PASS
Specific Rotation	-255	-240	-248	°	PASS
Heavy Metals		0.005	<=0.005	%	PASS
Expiration Date	REPORT		02/04/2015		

Residual Solvents Impurity Information – The following Class 1, 2, or 3 Solvents may be present in this product and are identified and quantified below. All comply with the limits prescribed in the current USP.

<u>Class</u>	<u>Solvent</u>	<u>Concentration Limit (ppm)</u>
Class 3	1-Butanol	5000
Class 3	Acetone	5000

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: K. McCarthy
Date: 09/30/2013