

CERTIFICATE OF ANALYSIS

Product Description TETRACYCLINE HYDROCHLORIDE
(4S-(4a,4a α ,5a α ,6 β ,12a α)]-4-(DIMETHYLAMINO)-1,4,4a,5,5a,6,11,12a-OCTAHYDRO-3,6,10,12,12a-PENTAHYDROXY-6-METHYL-1,11-DIOXO-2-NAPHTHACENECARBOXAMIDE HYDROCHLORIDE

Product Number T859
Lot Number 07F85903
Storage Temperature -20-0° C
Molecular Weight 480.94
Formula C₂₂H₂₄N₂O₈•HCl
CAS Number 64-75-5

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (1.00 g/L)	Under Development	3.19
Physical Appearance Color*	2022-10 to 2022-50 or 2023-10 to 2023-50	2022-40 Yellow
Texture	Fine to Crystalline Powder	Fine Powder
Solution Appearance Clarity Color	Clear Light Yellow to Yellow-Green	Clear Light Yellow-Green
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Potency	Minimum 900 μ g/mg	Conforms
Purity	Minimum 95.0%	98.3%
Moisture (Loss on Drying)	For Information Only	0.5%

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

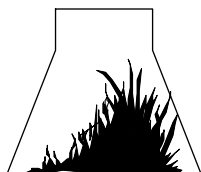
The material described in this certificate was manufactured in the United State of America and is of synthetic nature. No animal or plant components were used in the manufacture of this product.

PhytoTechnology Laboratories, LLC provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Recommended Shelf Life Date: June 2012



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