

CERTIFICATE OF ANALYSIS

Product Description DL-DITHIOTHREITOL; DTT
Product Number D259
Lot Number 10K0259003
Storage Temperature 2-6° C
Molecular Weight 154.2
Formula $C_4H_{10}O_2S_2$
CAS Number 3483-12-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	4.96
Physical Appearance Color* Texture	RM-1 to RM-3, or RM-31 Fine Powder, may form clumps	RM-31 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Purity	Minimum 99.0%	99.3%
Water Content (by Karl Fisher)	For Information Only	0.32%

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

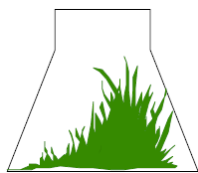
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories® 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: October 2015



Gary Seckinger, Ph.D.



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