

CERTIFICATE OF ANALYSIS

Product Description DL-DITHIOTHREITOL; DTT
Product Number D259
Lot Number SMR0259005
Storage Temperature 2-8°C
Molecular Weight 154.25
Formula C₄H₁₀O₂S₂
CAS Number 3483-12-3

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|--|-------------------------------------|
| Solubility | Soluble in Water @ 10 mg/mL | Passes |
| pH | Under Development | 5.9 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Fine Powder, may form clumps | PM-4 White Fine Powder w/ clumps |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 5 min | Passes |
| Purity | Minimum 99.0% | 99.20% |
| FTIR | Conforms to Structure | Passes |

* 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.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 7-October-2019
Recommended Shelf Life Date: October-2022



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