

CERTIFICATE OF ANALYSIS

Product Description	MOPS; 3-[N-MORPHOLINO]PROPANESULFONIC ACID
Product Number	M631
Lot Number	10F0631002
Storage Temperature	Room Temperature
Molecular Weight	209.3
Formula	C ₇ H ₁₅ NO ₄ S
CAS Number	1132-61-2

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	Under Development	3.33
Physical Appearance Color* Texture	RM-1 to RM-3, or RM-31 Fine to Coarse Powder, may form clumps	RM-31 White Fine Powder, form clumps
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 2 min	Passes
Insolubles	None	Passes
DNase	Negative	Passes
RNase	Negative	Passes
Protease	Negative	Passes
Purity	Minimum 99.0%	100%

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

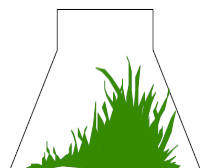
The material described in this certificate was manufactured in the United States of America and is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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: June 2018



Gary Seckinger, Ph.D.



PhytoTechnology
Laboratories®
Dedicated to Growth

PhytoTechnology Laboratories®

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at <http://www.phytotechlab.com>



Created on 11 June 2010