CERTIFICATE OF ANALYSIS

Product Description	NITRO BLUE TETRAZOLIUM NBT; 2,2'-DI-P-NITROPHENYL-5,5'-DIPHENYL-3,3'-(3,3'-DIMETHOXY-4,4'-DIPHENYLENE)-DITETRAZOLIUM CHLORIDE
Product Number	N602
Lot Number	13F0602002
Storage Temperature	2-6 °C
Molecular Weight	817.6
Formula	$C_{40}H_{30}Cl_2N_{10}O_6$
CAS Number	298-83-9

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 10 mg/mL	Passes
Physical Appearance		
Color*	2022-10 to 2022-50 or 2023-10 to 2023-50	2022-10 Yellow
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Light to Dark Yellow-Green	Light Yellow
Average Time to Dissolve	Within 10 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98%	99.0 %

*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.

***Phyto*Technology 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. *Phyto*Technology 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.

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