

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 2-8°C
Molecular Weight 817.6
Formula C₄₀H₃₀Cl₂N₁₀O₆
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	2023-30 Light Yellow
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance Clarity Color	Clear Light to Dark Yellow-Green	Clear Light Yellow-Green
Average Time to Dissolve	For Information Only (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.

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: 31-May-2023

Recommended Shelf-Life Date: May 2026



David Hart
Technical Director