

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 $C_{40}H_{30}Cl_2N_{10}O_6$
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 Color	Clear Light to Dark Yellow-Green	Clear Light Yellow-Green
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.

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Date of Release: 28-May-2025
Recommended Shelf-Life Date: May 2028

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