



Europa Bioproducts Ltd

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Specifications

Description:	Nitro Blue Tetrazolium (NBT) 3,3'-[3, 3'-Dimethoxy-(1,1'-biphenyl)-4,4'-diyl]- bis[2-(4-nitrophenyl)-5-phenyl-2H-tetrazolium chloride]
Catalogue:	DJ101A
Supplier:	Europa Bioproducts Ltd www.europa-bioproducts.com
CAS No:	298-83-9
Chemical Formula:	C ₄₀ H ₃₀ Cl ₂ N ₁₀ O ₆
Molecular Weight:	817.64

All testing is performed on a representative sample of each lot.

Specification

Purity:	>98%
Appearance:	Yellow crystalline powder
Solubility in Methyl Alcohol (1%):	clear, yellow solution
Solubility in water (0.5%):	clear, yellow solution
Solubility in TRIS Buffer (pH = 7.4, 0.1%):	clear, yellow solution
Water (Karl Fisher) :	<5%
Loss on drying (P₂O₅, 16Hrs, Vacuumed) :	<10%
Sulphated Ash:	<0.2%
Molar Absorptivity (in Methyl alcohol):	At 257nm > 63,000
Thin Layer Chromatogram:	Corresponds to standard Nitro-TB
IR Spectrum:	Corresponds with authentic standard
Storage:	Keep tightly closed. Store in a cool, dark and dry place.
Stability:	Stable for 3 years from date of manufacture.



CERTIFICATE NO. 2272

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Registered Office: 15-17 North Street, Wicken, Ely, Cambridgeshire CB7 5XW

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