

TMB 056 – NITRO BLUE TETRAZOLIUM CHLORIDE (NBT) (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 056	STANDARD SPECIFICATION FOR NITRO BLUE TETRAZOLIUM CHLORIDE (NBT) (Molecular Biology Grade)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 056

PRODUCT PROPERTIES

C.A.S Number	298-83-9
Chemical Formula	$C_{40}H_{30}N_{10}O_6Cl_2$
Formula weight	817.64
Functional Uses	Nitrotetrazolium Blue chloride is used to as a component in Tris-HCl buffered saline for nicotinamide adenine dinucleotide phosphate (NADPH)-diaphorase histochemistry of brain sections.
Standard Packaging	100 mg., 250 mg. & 1 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Yellow coloured powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Sulphated ash	NMT – 0.1%
Water (By KF)	NMT – 4.5%
DNases/ RNases	None Detected
Assay	NLT – 98.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

