



Material	438592X
Material description	Nitro blue tetrazolium chloride (NBT) Molecular biology grade
CAS Number	298-83-9
Molecular formula	C <sub>40</sub> H <sub>30</sub> Cl <sub>2</sub> N <sub>10</sub> O <sub>6</sub>
Molecular mass	817.65

Characteristics	Specifications
Assay (absorbance)	Min. 98 %
Appearance	Yellow crystalline powder
IR Spectrum	Conforms to standard
Solubility in methanol (100 mg/10 ml)	Clear, yellow solution
Solubility in water (100 mg/10 ml)	Clear, yellow solution
Thin-layer chromatography (TLC)	Conforms to standard
Loss on drying (Vacuum, P <sub>2</sub> O <sub>5</sub> , 16 h)	Max. 9.5 %
Sulphated ash	Max. 0.2 %
Water (KF)	Max. 5 %
Molar absorptivity (± 257 nm; methanol)	Min. 63000

## Signature

We certify that this batch conforms to the specifications listed above.

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