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## Certificate of Analysis

<b>Product</b>	<b>13001 - Nitro Blue Tetrazolium Chloride (Nitro BT) (NBT) for tissue culture, 99% - [298-83-9]</b>
<b>Batch No</b>	<b>8785110</b>
<b>Analysis Date</b>	17-Mar-2024
<b>Date of Manufacture</b>	March 2024
<b>Expiry Date/Re-Test Date</b>	March 2029
<b>Molecular Formula</b>	C40H30N10O6Cl2
<b>Molecular Weight</b>	817.65

Test Parameters	Standards	Actual Results
Appearance (Colour)	Lemon yellow	Lemon yellow
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 5% solution in Methanol	Clear	Clear
Solubility (Colour) 5% solution in methanol	Yellow	Yellow
Assay (On dry basis)	min. 99%	99.9%
Sulphated Ash	max. 0.1%	0.04%
Molar Extinction coefficient ( $\epsilon$ ) @257nm	~64,995 (Methanol)	64969
Water (KF)	~10%	5.8%
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/13001 Rev No. 1 Date 12/18/2018

Prepared by Priti

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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