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Certificate of Analysis

Product	12779 - Cetyltrimethyl Ammonium Bromide (CTAB) for molecular biology, 99% - [57-09-0]
Batch No	3552311
Analysis Date	27-Jul-2023
Date of Manufacture	July 2023
Expiry Date/Re-Test Date	July 2028
Molecular Formula	C19H42BrN
Molecular Weight	364.45

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 5% hot aq. solution	Clear	Clear
Solubility (Colour) 5% hot aq. solution	Colourless	Colourless
Solubility (Turbidity) 10% solution in methanol	Clear	Clear
Solubility (Colour) 10% solution in methanol	Colourless	Colourless
Assay (NT)	min. 99.0%	99.6%
pH (0.1M aq. solution)	5.0 - 7.0	5.6
Loss on drying	max. 1%	0.2%
Sulphate (SO4)	max. 0.02%	Passes
Iron (Fe)	max. 0.001%	Passes
Absorbance (A) of 0.1M aq. solution in a 1cm cell v/s H2O		
@260nm	max. 0.06	0.029
@280nm	max. 0.05	0.016
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/12779 Rev No. 3 Date 18/06/2023

Prepared by **Mayur**

In compliance with the standard specifications of SRL

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

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