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Certificate of Analysis

Product	71033 - Tris Buffer AR, ACS for molecular biology, 99.9% - [77-86-1]
Batch No	4762097
Analysis Date	24-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C4H11NO3
Molecular Weight	121.14

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (On dry basis)	min. 99.9%(By neutralization)	99.9%
Melting Point	169 - 171°C	171°C
pH (10% aq. solution)	10.5 - 11.0	10.67
Loss on drying	max. 0.5%	0.02%
Sulphated Ash	max. 0.05%	0.009%
Chloride (Cl)	max. 0.001%	Passes
Insoluble matter	max. 0.005%	Nil
Sulphate (SO4)	max. 0.005%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Copper (Cu)	max. 0.0001%	Passes
Arsenic (As)	max. 0.0001%	Passes
Absorbance (A) of 40% aq. solution in a 1cm cell v/s H2O		
@290nm	max. 0.2	0.024
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/71033 Rev No. 5 Date 25/09/2019

Prepared by Komal

In compliance with the standard specifications of SRL

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

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