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Certificate of Analysis

Product	93494 - Sodium Phosphate Monobasic Dihydrate for molecular biology, 99% - [13472-35-0]
Batch No	3473393
Analysis Date	14-Apr-2024
Date of Manufacture	April 2024
Expiry Date/Re-Test Date	April 2029
Molecular Formula	NaH ₂ PO ₄ .2H ₂ O
Molecular Weight	156.01

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 (Alkalimetry)	min. 99%	99.7%
pH (5% aq. solution)	4.3 - 4.5	4.49
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H ₂ O	.	
@260nm	max. 0.20	0.018
@280nm	max. 0.10	0.015
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/93494 Rev No. 2 Date 03/07/2022

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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