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## Certificate of Analysis

<b>Product</b>	<b>21669 - Sodium Phosphate Dibasic Anhydrous for molecular biology, 99.5% - [7558-79-4]</b>
<b>Batch No</b>	<b>7635168</b>
<b>Analysis Date</b>	05-May-2024
<b>Date of Manufacture</b>	May 2024
<b>Expiry Date/Re-Test Date</b>	May 2029
<b>Molecular Formula</b>	Na <sub>2</sub> HPO <sub>4</sub>
<b>Molecular Weight</b>	141.96

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 (by Neutralization)	min. 99.5%	99.6%
pH (5% aq. solution)	9.1 - 9.3	9.28
Water Insoluble matter	max. 0.01%	0.01%
Loss on drying	max. 0.2%	0.1%
Chloride (Cl)	max. 0.002%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.005%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Nitrogen Compounds (N)	max. 0.002%	Passes
Copper (Cu)	max. 0.0005%	Passes
Potassium (K)	max. 0.005%	Passes
Absorbance (A) of 0.1M aq. solution in a 1cm cell v/s H <sub>2</sub> O		
@260nm	max. 0.01	0.006
@280nm	max. 0.01	0.005
DNase, RNase, Protease	not detected	not detected

FRM/82/11/4/21669 Rev No. 3 Date 05/07/2022

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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