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Certificate of Analysis

| | |
|---------------------------------|---------------------------------------------------------------------------|
| Product | 33205 - Sodium Chloride for molecular biology, 99.9% - [7647-14-5] |
| Batch No | 2166904 |
| Analysis Date | 03-Mar-2024 |
| Date of Manufacture | March 2024 |
| Expiry Date/Re-Test Date | March 2029 |
| Molecular Formula | NaCl |
| Molecular Weight | 58.44 |

| 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 (ex Cl) | min. 99.9% | 99.9% |
| Water Insoluble matter | max. 0.003% | 0.002% |
| pH (5% aq. solution) | 5.0 - 8.0 | 6.3 |
| Sulphate (SO ₄) | max. 0.001% | Passes |
| Iron (Fe) | max. 0.0001% | Passes |
| Heavy Metals (Pb) | max. 0.0002% | Passes |
| Phosphate (PO ₄) | max. 0.0005% | Passes |
| Copper (Cu) | max. 0.0002% | Passes |
| Bromide (Br) | max. 0.005% | Passes |
| Iodide (I) | max. 0.001% | Passes |
| Nitrogen compounds | max. 0.0005% | Passes |
| Ferrocyanide [Fe(CN ₆)]-4 | max. 0.0001% | Passes |
| Absorbance (A) of 1M aq. solution in a 1cm cell v/s H ₂ O | | |
| @260nm | max. 0.01 | 0.004 |
| @280nm | max. 0.01 | 0.003 |
| DNase, RNase, Protease | Not detected | Not detected |

FRM/82/11/4/33205 Rev No. 4 Date 05/07/2022

Prepared by Yogesh

In compliance with the standard specifications of SRL

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

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