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Certificate of Analysis

Product	54468 - Sodium Lauryl Sulphate (SDS, SLS) extrapure AR, ACS, 99% - [151-21-3]
Batch No	6479747
Analysis Date	29-Nov-2023
Date of Manufacture	November 2023
Expiry Date/Re-Test Date	November 2028
Molecular Formula	C ₁₂ H ₂₅ SO ₄ Na
Molecular Weight	288.38

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
Purity (Lauryl alcohol-by GC)	min. 99%	99.3%
Assay (by Hyamine)	min.99%	99.6%
Loss on drying	max. 1%	0.8%
pH (1% aq. solution)	6.0 - 8.0	6.6
Water Insoluble matter	max. 0.003%	0.002%
Alkalinity	max. 0.06 meq/g	0.03 meq/g
Chloride (Cl)	max. 0.01%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Phosphate (PO ₄)	max. 0.0001%	Passes
Absorbance (A) of 3% aq. solution in a 1cm cell v/s H ₂ O		
@220nm	max. 0.1	0.086
@250 nm	max. 0.1	0.032
@300-350nm	max. 0.1	0.019

FRM/82/11/4/54468 Rev No. 5 Date 06/10/2022

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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