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Certificate of Analysis

Product	18486 - Pentane Sulphonic Acid Sodium Salt Anhydrous for HPLC, 99% - [22767-49-3]
Batch No	6320090
Analysis Date	05-May-2024
Date of Manufacture	May 2024
Expiry Date/Re-Test Date	May 2029
Molecular Formula	C5H11O3SNa
Molecular Weight	174.21

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
Solubility (Turbidity) 10% hot solution in Methanol	Clear	Clear
Solubility (Colour) 10% hot solution in Methanol	Colourless	Colourless
Assay (Ion exchange)	min. 99%	99.6%
pH (10% aq. solution)	5.5 - 7.5	5.92
Loss on drying	max. 2%	0.08%
Absorbance (A) of 0.1M aq. solution in a 1cm cell v/s H2O		
@254nm	max. 0.045	0.003
Absorbance (A) of 0.005 M aq. solution in a 1cm cell v/s H2O		
@200nm	max. 0.15	0.039
@220nm	max. 0.05	0.025

FRM/82/11/4/18486 Rev No. 3 Date 20/01/2024

Prepared by Jayesh

In compliance with the standard specifications of SRL

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

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