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Certificate of Analysis

Product	40544 - Sodium Fluoride extrapure AR, ACS, ExiPlus, Multi-Compendial, 99% - [7681-49-4]
Batch No	2520051
Analysis Date	24-Jan-2024
Date of Manufacture	January 2024
Expiry Date/Re-Test Date	January 2029
Molecular Formula	NaF
Molecular Weight	41.99

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP	Passes
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 2.5% hot aq. solution	Clear	Clear
Solubility (Colour) 2.5% hot aq. solution	Colourless	Colourless
Assay (Ion exchange)	min. 99%	99.1%
Insoluble matter	max. 0.02%	0.01%
Loss on drying	max. 0.2%	0.1%
Titration acid	max. 0.03 meq/g	0.02 meq/g
Titration base	max. 0.01 meq/g	Nil
Chloride (Cl)	max. 0.003%	Passes
Sulphate (SO ₄)	max. 0.01%	Passes
Iron (Fe)	max. 0.002%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Copper (Cu)	max. 0.0005%	Passes
Sulphite (SO ₃)	max. 0.005%	Passes
Fluorosilicate (SiF ₆)	max. 0.1%	Passes
Potassium (K)	max. 0.02%	Passes

FRM/82/11/4/40544 Rev No. 2 Date 20/07/2017

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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