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Certificate of Analysis

Product	44618 - Sodium Nitrate ACS, 99% - [7631-99-4]
Batch No	6713870
Analysis Date	29-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	NaNO ₃
Molecular Weight	84.99

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder/solid	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (Ion exchange)	min. 99%	99.5%
pH (5% aq. solution)	5.5 - 8.3	6.09
Water Insoluble matter	max. 0.005%	0.004%
Chloride (Cl)	max. 0.001%	Passes
Iodate (IO ₃)	max 0.0005%	Passes
Nitrite (NO ₂)	max. 0.001%	Passes
Phosphate (PO ₄)	max. 0.0005%	Passes
Sulphate (SO ₄)	max. 0.003%	Passes
Calcium (Ca)	max. 0.005%	Passes
Iron (Fe)	max. 0.0003%	Passes
Magnesium (Mg)	max. 0.002%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes

FRM/82/11/4/44618 Rev No. 3 Date 05/06/2024

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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