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Certificate of Analysis

Product	36328 - Sodium Bicarbonate for molecular biology, 99.7% - [144-55-8]
Batch No	2004657
Analysis Date	11-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	NaHCO ₃
Molecular Weight	84.01

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 5% hot aq. solution	Clear	Clear
Solubility (Colour) 5% hot aq. solution	Colourless	Colourless
Assay (by Neutralization)	min. 99.7%	99.9%
Chloride (Cl)	max. 0.003%	Passes
Sulphate (SO ₄)	max. 0.003%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Copper (Cu)	max. 0.0005%	Passes
Potassium (K)	max. 0.005%	Passes
Substances reducing Iodine (I)	max. 0.0065%	Passes
Nitrogen Compounds (N)	max. 0.001%	Passes
Phosphate (PO ₄)	max. 0.005%	Passes
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.05	0.035
@280nm	max. 0.05	0.029
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/36328 Rev No. 3 Date 26/07/2023

Prepared by Priti

In compliance with the standard specifications of SRL

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

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