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Certificate of Analysis

Product	32822 - Imidazole extrapure AR, 99% - [288-32-4]
Batch No	5609993
Analysis Date	24-Apr-2024
Date of Manufacture	April 2024
Expiry Date/Re-Test Date	April 2029
Molecular Formula	C3H4N2
Molecular Weight	68.08

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
Assay (NT)	min. 99%	99.4%
pH (5% aq. solution)	9.5 - 11.0	9.9
Melting Point	89 - 90°C	90°C
Sulphated Ash	max. 0.1%	0.01%
Chloride (Cl)	max. 0.005%	Passes
Sulphate (SO4)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Water (KF)	max. 0.5%	0.08%
Absorbance (A) of 5% aq. solution in a 1cm cell v/s H2O		
@260nm	max. 0.1	0.0201
@280nm	max. 0.1	0.0184
@324nm	max. 0.05	0.0108

FRM/82/11/4/32822 Rev No. 2 Date 22/01/2023

Prepared by **Mayur**

In compliance with the standard specifications of SRL

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

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