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Certificate of Analysis

Product **61510 - Imidazole for molecular biology, 99.5% - [288-32-4]**
Batch No **8120314**
Analysis Date 24-Mar-2024
Date of Manufacture March 2024
Expiry Date/Re-Test Date March 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. 99.5%	99.9%
pH (5% aq. solution)	9.5 - 11.0	11.0
Melting Point	89 - 90°C	90°C
Sulphated Ash	max. 0.1%	0.01%
Chloride (Cl)	max. 0.005%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Absorbance (A) of 5% aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.1	0.0310
@280nm	max. 0.1	0.0211
@324nm	max. 0.05	0.0080
Water (KF)	max. 0.5%	0.2%
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/61510 Rev No. 2 Date 22/01/2023

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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1/1

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