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# Certificate of Analysis

**Product** **78496 - Imidazole extrapure AR, ACS, ExiPlus, Multi-Compendial, 99% - [288-32-4]**

**Batch No** **5144718**

**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
ExiPlus	meets compendial specs of USP, BP, Ph.Eur	Passes
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%	99.9%
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 (SO4)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Water (KF)	max. 0.2%	0.2%
Absorbance (A) of 5% aq. solution in a 1cm cell v/s H2O		
@260nm	max.0.1	0.0310
@280nm	max. 0.1	0.0211
@324nm	max. 0.05	0.0080

FRM/82/11/4/78496 Rev No. 4 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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