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Certificate of Analysis

Product	10722 - Imidazole for tissue culture, 99.5% - [288-32-4]
Batch No	5185822
Analysis Date	16-Oct-2022
Date of Manufacture	October 2022
Expiry Date/Re-Test Date	October 2027
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	min. 99.5%	99.7%
pH (5% aq. solution)	9.5 - 11.0	9.7
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%	0.09%
Absorbance (A) of 5% aq. solution in a 1cm cell v/s H2O		
@260nm	max. 0.1	0.05
@280nm	max. 0.1	0.05
@324nm	max. 0.05	0.02
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/10722 Rev No. 1 Date 09/02/2020

Prepared by Komal

In compliance with the standard specifications of SRL

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

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