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Certificate of Analysis

Product	34154 - Kinetin for tissue culture, 99% - [525-79-1]
Batch No	4869906
Analysis Date	27-Apr-2022
Date of Manufacture	April 2022
Expiry Date/Re-Test Date	April 2027
Molecular Formula	C10H9N5O
Molecular Weight	215.22

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to pale yellow	Pale yellow
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 1% soln in 1N HCl	Clear	Clear
Solubility (Colour) 1% soln in 1N HCl	Colourless to pale yellow	Pale yellow
Assay	min. 99%	99.4%
Melting Point	269 - 271°C	270°C
Sulphated Ash	max. 0.05%	0.02%
Spectral Ratio (A250nm/A260nm)	~0.60	0.61
Spectral Ratio (A280nm/A260nm)	~1.27	1.26
Spectral Ratio (A290nm/A260nm)	~0.73	0.74
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/34154 Rev No. 1 Date 08/02/2018

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

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

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