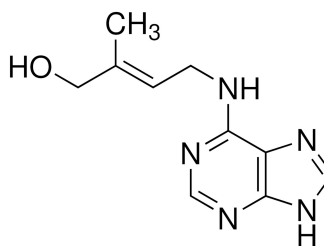


Certificate of Analysis

Product Name : Zeatin BioReagent, suitable for plant cell culture, powder
Product Number : Z0164-1MG
Batch Number : 0000419532
Source Batch : 0000295307
CAS Number : 13114-27-7
MDL Number : MFCD00213654
Storage Temperature : -20°C
Molecular Formula : C₁₀H₁₃N₅O
Formula Weight : 219.24 g/mol
Quality Release Date : 23 Jan 2025



Test	Specification	Result
Appearance (Color)	White to Yellow	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Light Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/ml in glacial acetic acid		
Infrared Spectrum	Conforms to Structure	Conforms
Water (by Karl Fischer)	≤ 5.0 %	0.5 %
Carbon Content	52.1 - 57.5 %	53.6 %
Nitrogen Content	30.3 - 33.5 %	31.6 %
Purity (HPLC)	≥ 98.0 %	98.3 %
Plant Cell Culture Test	Pass	Pass

Pramod Kadam(PhD),Manager
 Analytical
 Bangalore
 IN

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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