



Certificate of Analysis

trans-Zeatin

Catalog Number: ZE1001
Lot Number: 0118703
CAS Number: 1637-39-4
Synonym(s): 6-(4-Hydroxy-3-methylbut-2-enylamino)purine, N⁶-(4-Hydroxy-3-methyl-2-buten-1-yl)adenine
Molecular Formula: C₁₀H₁₃N₅O
Molecular Weight: 219.24
Storage: ≤ -20°C
Date of Manufacture: December 20, 2016
Retest Date: December 19, 2018

Test	Specification	Result
Appearance	White to off-white powder	Conforms
Assay (HPLC)	≥ 99%	99.42%
Identification	To match reference spectrum	Conforms
Melting Point	208°C – 214°C	213.0°C
Elemental Analysis		
C	53.68 – 55.88%	54.91%
H	5.86 – 6.10%	6.05%
N	31.30 – 32.58%	32.17%
Moisture (LOD)	≤ 0.5%	0.3%
Residue on Ignition	≤ 0.1%	0.06%

Approved by:

Date: January 18, 2017

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojiraafc.com