



CERTIFICATE OF ANALYSIS

Product Name: **2-Isopentenyl-adenine (2-iP)**

Catalog Number: D006 Molecular Formula: C₁₀H₁₃N₅
Lot Number: 03172009 Formula Weight: 203.24
CAS Number: 2365-40-4 Storage: -20 to -5°C
Source: Chemical Synthesis Retest Date: 31-JAN-2021

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Powder	PASS
Identity Test	Passes Test	PASS
Assay	> 96.0 %	99.89 %
Elemental Analysis - Carbon	56.7- 61.5 %	59.03 %
Elemental Analysis - Hydrogen	5.8- 7.1 %	6.41 %
Elemental Analysis - Nitrogen	33.1- 35.8 %	34.65 %
Melting Point	212- 215°C	213.0°C
Infrared	Passes Test	PASS
Solubility (10mg/mL, 1 M KOH)	Clear, Slightly Yellow Tinted Solution	PASS
Moisture (LOD)	< 2.0 %	0.4 %
Plant Tissue Culture	Passes Test	PASS

This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.

This product is intended for Laboratory Use Only

Prepared by:

Kylie Loftus 04/25/2017
Quality Control

Reviewed by: