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## **-CERTIFICATE OF ANALYSIS-**

Product: 2IP  
Code No: BID525  
CAS No: 2365-40-4  
Formula:  $C_{10}H_{13}N_5$   
Batch No: AS438247

### Physicochemical Specifications:

<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULTS</b>
<b>Solubility</b>	Soluble in 1 N KOH @ 10mg/mL	Passes
<b>Physical Appearance</b>		
<b>Colour</b>	2021-70 to 2025-70, 2020-60 to 2024-60, or 2143-70 to 2148-70	2145-70 Off-white, slight cream tint
<b>Texture</b>	Fine powder, may have clumps	Fine powder
<b>Solution Appearance</b>		
<b>Clarity</b>	Clear	Clear
<b>Colour</b>	Colourless to slightly yellow	Slightly yellow
<b>Average time to dissolve</b>	Within 1 min	Passes
<b>Insolubles</b>	None	Passes
<b>Purity by titration (0.1N HClO<sub>4</sub>)</b>	Minimum 96.0%	98.6%
<b>Identity by IR</b>	Conforms to reference	Passes
<b>Water content (KF)</b>	For information only	0.1%

Biological Testing: [Test Concentration 10.0mg/L]

<b>TEST SPECIFICATION</b>	<b>PLANT CELL LINE</b>	<b>RESULTS</b>
<b>Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to</b>	Coreopsis	Passes
	Achimenes	Passes

Verified by: David Parton

Signed:

Date: 12<sup>th</sup> July 2013