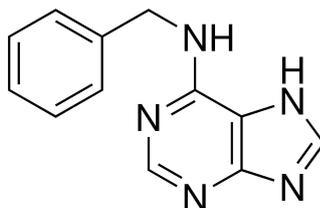


# Certificate of Analysis

**Product Name :** 6-Benzylaminopurine suitable for plant cell culture  
**Product Number :** B3408-5G  
**Batch Number :** 0000459029  
 Source Batch : 0000437759  
 CAS Number : 1214-39-7  
 MDL Number : MFCD00005572  
 Molecular Formula : C<sub>12</sub>H<sub>11</sub>N<sub>5</sub>  
 Formula Weight : 225.25 g/mol  
 Quality Release Date : 23 May 2025



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Light Yellow	Colorless
Solubility (Turbidity) 50 mg/mL, Glacial Acetic Acid	Clear to Slightly Hazy	Clear
Water (by Karl Fischer)	≤ 2 %	0 %
Carbon (anhydrous)	62.4 - 65.6 %	64.0 %
Nitrogen (anhydrous)	30.3 - 31.9 %	30.8 %
Purity (HPLC)	≥ 98 %	100 %
Plant Cell Culture Test	Pass	Pass
<sup>1</sup> H NMR Spectrum	Conforms to Structure	Conforms

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

US

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](http://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

Version Number: 01 Doc: 1225674

Page 1 of 1

