

# Certificate of Analysis

**Product Name :** 1,2,4,5-Tetracyanobenzene 97%  
**Product Number :** 391980-5G  
**Batch Number :** 0000082194  
**Source Batch :** 0000059651  
**CAS Number :** 712-74-3  
**Molecular Formula :** C<sub>10</sub>H<sub>2</sub>N<sub>4</sub>  
**Formula Weight :** 178.15  
**Quality Release Date :** 30 Apr 2019

Test	Specification	Result
Appearance (Color)	White to Beige	Beige
Appearance (Form)	Powder or Crystal or Chunk(s)	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Carbon Content	65.1 - 69.8 %	67.5 %
Nitrogen Content	30.3 - 32.6 %	31.1 %
Purity (TLC)	≥ 97 %	99 %
Solubility (Turbidity)	Clear	Clear
25MG/ML(2.5%), ACETONE		
Solubility (Color)	Colorless to Yellow to Brown	Brown

*Champaka. G*

Champaka Gurudevuru, Manager

Analytical

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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

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