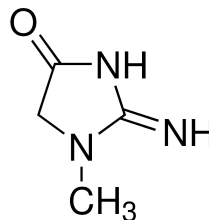


Certificate of Analysis

Product Name : Creatinine anhydrous, ≥98%
Product Number : C4255-100G
Batch Number : 0000452417
Source Batch : 0000344488
CAS Number : 60-27-5
MDL Number : MFCD00059730
Molecular Formula : C₄H₇N₃O
Formula Weight : 113.12 g/mol
Recommended Retest Date : Jul 2030
Quality Release Date : 08 Jul 2024



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity) 50 mg/mL, H ₂ O	Clear	Clear
Loss on Drying	≤ 1.0 %	0.1 %
Carbon	41.6 - 43.3 %	42.2 %
Nitrogen	36.4 - 37.9 %	36.8 %
Infrared Spectrum	Conforms to Structure	Conforms
Purity (TLC)	≥ 98 %	100 %
Suitability	Suitable	Suitable
Material tested and found suitable as substrate for creatininase.		

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. 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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