

Certificate of Analysis

Date of Testing: 2024-06-15 10:37:21
Date of Next Testing: 2026-06-15 10:37:21
Product Name: **5 , 5-Dimethylhydantoin**
CAS Number: 77-71-4
Specifications & Purity: $\geq 98.0\%$
Lot #: I2209158
SKU #: **D137034**
Version: **0**
Analysis #: **369124**

Parameter	Limit Values	Result
Carbon by Elemental Analysis	45.2-48.5 (%)	46.50 %
Purity(HPLC)	98-100 (%)	99.90000 %
Nitrogen by Elemental Analysis	21.1-22.6 (%)	22.10 %
Melting point	175-178 (°C)	177.20000 °C
Appearance (D137034)	White Crystals, Powder or Crystalline Solid	White Crystals, Powder or Crystalline Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless	pass	Pass
Clear,100mg/ml(10%)		



John Su
QA & QC Manager