

Certificate of Analysis

Date of Testing: 2023-05-10 11:22:14
Date of Next Testing: 2025-05-09 11:22:14
Product Name: **5 , 5-Dimethylhydantoin**
CAS Number: 77-71-4
Specifications & Purity: $\geq 98.0\%$
Lot #: G2123121
SKU #: **D137034**
Analysis: 220796

Parameter	Limit Values	Result
Carbon by Elemental Analysis	45.2-48.5 (%)	46.62 %
Purity(HPLC)	98-100 (%)	98.00630 %
Nitrogen by Elemental Analysis	21.1-22.6 (%)	21.82 %
Melting point	175-178 (°C)	177.40000 °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