

## Certificate of Analysis

Date of Testing: 2025-07-21 09:46:11  
Date of Next Testing: 2027-07-21 09:46:11  
Product Name: **5 , 5-Dimethylhydantoin**  
CAS Number: 77-71-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: L2116155  
SKU #: **D137034**  
Version: **0**  
Analysis #: **543537**

Parameter	Limit Values	Result
Carbon by Elemental Analysis	45.2-48.5 (%)	46.69 %
Purity(HPLC)	98-100 (%)	99.13160 %
Nitrogen by Elemental Analysis	21.1-22.6 (%)	22.23 %
Melting point	175-178 (°C)	176.23000 °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 <sub>2</sub> O , Colorless Clear,100mg/ml(10%)	pass	Pass



John Su  
QA & QC Manager