

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-01 09:14:07

Date of Next Testing: 2026-11-01 09:14:07

Product Name: **5 , 5-Dimethylhydantoin(DMH)**

CAS Number: 77-71-4

Specifications & Purity:  $\geq 98\%$

Lot #: J2425468

SKU # **D137034**

Version **0**

**Analysis #:** **393679**

Storage Temperature: Room temperature

| Parameter                                  | Limit Values                                | Result                                      |
|--------------------------------------------|---------------------------------------------|---------------------------------------------|
| Carbon by Elemental Analysis               | 45.2-48.5 (%)                               | 47.36000 %                                  |
| Purity(HPLC)                               | 98-100 (%)                                  | 98.30200 %                                  |
| Nitrogen by Elemental Analysis             | 21.1-22.6 (%)                               | 21.68000 %                                  |
| Melting point                              | 175-178 (°C)                                | 177.96000 °C                                |
| Appearance (D137034)                       | White Crystals, Powder or Crystalline Solid | White Crystals, Powder or Crystalline Solid |
| Solubility in H <sub>2</sub> O , Colorless | pass                                        | Pass                                        |
| Clear,100mg/ml(10%)                        |                                             |                                             |
| Infrared spectrum                          | Conforms to Structure                       | Conforms to Structure                       |



John Su  
QA & QC Manager