

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-20 11:39:46

Date of Next Testing: 2028-12-19 11:39:46

Product Name: **1,2,4-Triazole**

CAS Number: 288-88-0

Specifications & Purity:  $\geq 99\%$

Lot #: L2416831

SKU #: **T100645**

Version: **0**

**Analysis #:** **391712**

Storage Temperature: Room temperature

| Parameter                                                                                         | Limit Values                                       | Result                                             |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(HPLC)                                                                                      | 99-100 (%)                                         | 99.71200 %                                         |
| Purity(Titration by HClO <sub>4</sub> )                                                           | 98.5-101.5 (%)                                     | 99.91000 %                                         |
| Melting point                                                                                     | 119-123 (°C)                                       | 122.12000 °C                                       |
| Appearance (T100645)                                                                              | White to Yellow<br>Crystals,Flakes,Powder or Solid | White to Yellow<br>Crystals,Flakes,Powder or Solid |
| Proton NMR spectrum                                                                               | Conforms to Structure                              | Conforms to Structure                              |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow<br>, Clear , 50 mg/ml H <sub>2</sub> O | pass                                               | Pass                                               |



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QA & QC Manager