

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-12 15:25:35

Date of Next Testing: 2027-09-12 15:25:35

Product Name: **7-Amino-3-[(5-methyl-1,3,4-thiadiazol-2-ylthio)methyl]-3-cephem-4-carboxylic Acid**

CAS Number: 30246-33-4

Specifications & Purity:  $\geq 99\%$

Lot #: J2109192

SKU #: **A303378**

Version: **1**

**Analysis #:** **397363**

Storage Temperature: Store at -20°C, Desiccated

| Parameter                      | Limit Values                                      | Result                                            |
|--------------------------------|---------------------------------------------------|---------------------------------------------------|
| Purity(HPLC)                   | 99-100 (%)                                        | 99.10200 %                                        |
| Carbon by Elemental Analysis   | 37.1-38.5(%)                                      | 38.00000 %                                        |
| Sulfur by Elemental Analysis   | 27-28.5(%)                                        | 28.00000 %                                        |
| Nitrogen by Elemental Analysis | 15.7-16.6(%)                                      | 15.90000 %                                        |
| Appearance(A303378)            | White or light yellow to Brown crystalline powder | White or light yellow to Brown crystalline powder |
| Proton NMR spectrum            | Conforms to structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager