

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-27 11:14:44

Date of Next Testing: 2026-07-26 11:14:44

Product Name: **4-Hydroxy-2-methylthiazole-5-carboxylic acid ethyl ester**

CAS Number: 20737-48-8

Specifications & Purity:  $\geq 97\%$

Lot #: G2321516

SKU #: **H182674**

Version: **1**

Analysis #: **245516**

Storage Temperature: Room temperature

| Parameter                | Limit Values          | Result                |
|--------------------------|-----------------------|-----------------------|
| Purity(HPLC area)        | 97-100 (%)            | 98.55000 %            |
| LC-MS for identification | Conforms              | Conforms              |
| Proton NMR spectrum      | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager