

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-12 15:49:50

Date of Next Testing: 2025-09-11 15:49:50

Product Name: **Malate dehydrogenase (MDH) from Thermus sp.**

CAS Number: 9001-64-3

Specifications & Purity: Bioactive,ActiBioPure™,Native,High Performance,EnzymoPure™,≥100 U/mg enzyme powder

Lot #: H2131282

SKU #: **M139683**

Version: **0**

**Analysis #:** **329401**

Storage Temperature: Store at 2-8°C

| Parameter                                  | Limit Values                                    | Result                                          |
|--------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| NADH oxidase activity                      | 0-0.0004 (%)                                    | 0.00020 %                                       |
| Protein content A280nm                     | 0.27-0.31 (OD/mg)                               | 0.29000 OD/mg                                   |
| alpha-Ketoglutaric dehydrogenase activity  | 0-0.003 (%)                                     | 0.00200 %                                       |
| Glutamic-Oxaloacetic transaminase activity | 0-0.003 (%)                                     | 0.00210 %                                       |
| Malate dehydrogenase activity              | ≥100 (U/mg)                                     | 112.00000 U/mg                                  |
| Appearance (M139683)                       | White to Off-White Powder or Lyophilized Powder | White to Off-White Powder or Lyophilized Powder |



John Su  
QA & QC Manager