

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-21 12:41:27  
Date of Next Testing: 2027-02-20 12:41:27  
Product Name: **N $\omega$ -Nitro-L-arginine methyl ester hydrochloride**  
CAS Number: 51298-62-5  
Specifications & Purity: 98%  
Lot #: B2311843  
SKU #: **N109211**  
**Analysis: 175319**  
Storage Temperature: Store at -20°C

| Parameter  | Limit Values                | Result                      |
|--|-----------------------------|-----------------------------|
| Purity(HPLC)   | 98-100 (%)                  | 99.94400 %                  |
| Specific Rotation [a] <sub>D</sub> 20/D(c=3 in MeOH) | 14-16 (°)                   | 15.98°                      |
| Melting point  | 158-162 (°C)                | 161.50000 °C                |
| Appearance (N109211)                                 | White to Off-White Crystals | White to Off-White Crystals |
| Infrared spectrum                                    | Conforms to Structure       | Conforms to Structure       |
| NMR Spectrum 1H                                      | Conforms to Structure       | Conforms to Structure       |
| TLC Analysis   | One spot                    | One spot                    |



John Su  
QA & QC Manager