

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-20 16:01:23

Date of Next Testing: 2027-05-19 16:01:23

Product Name: **2,3-Dimethylphenylhydrazine hydrochloride hydrate**

CAS Number: 123333-92-6

Specifications & Purity:  $\geq 98\%$

Lot #: E2316688

SKU #: **D130097**

Version: **0**

Analysis #: **195457**

Storage Temperature: Room temperature

| Parameter                       | Limit Values          | Result                |
|---------------------------------|-----------------------|-----------------------|
| Purity (Argentmetric Titration) | 97.5-102.5 (%)        | 100.34000 %           |
| Water by Karl Fischer           | 0-18 (%)              | 13.57260 %            |
| Purity(HPLC)                    | 98-100 (%)            | 98.10000 %            |
| Appearance (D130097)            | yellow to brown solid | yellow to brown solid |
| Proton NMR spectrum             | Conforms to Structure | Conforms to Structure |
| Infrared spectrum               | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager