

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-03 17:27:57  
 Date of Next Testing: 2028-04-02 17:27:57  
 Product Name: **1,5-Diaminopentane**  
 CAS Number: 462-94-2  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: B2429216  
 SKU #: **D121817**  
 Version: **1**  
 Analysis #: **317881**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                           | Limit Values               | Result                     |
|-------------------------------------|----------------------------|----------------------------|
| Refractive index n <sub>20</sub> /D | 1.457-1.46                 | 1.45820                    |
| Density (20°C)                      | 0.87-0.875                 | 0.87300                    |
| Purity(Neutralization titration)    | 98-100 (%)                 | 99.47000 %                 |
| Purity(GC)                          | 95-100 (%)                 | 98.12300 %                 |
| Appearance (D121817)                | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Proton NMR spectrum                 | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager