

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-13 15:50:49  
 Date of Next Testing: 2028-11-12 15:50:49  
 Product Name: **1,6-Hexamethylenediamine (HMDA)**  
 CAS Number: 124-09-4  
 Specifications & Purity: AR, ≥99%  
 Lot #: K2406600  
 SKU #: **H103909**  
 Version: **0**  
 Analysis #: **436228**  
 Storage Temperature: Room temperature, Desiccated

| Parameter                                                           | Limit Values                         | Result                               |
|---------------------------------------------------------------------|--------------------------------------|--------------------------------------|
| Heavy metals                                                        | 0-0.001 (%)                          | 0.00000 %                            |
| Purity(Neutralization titration)                                    | 98.5-101.5 (%)                       | 100.72000 %                          |
| Purity(GC)                                                          | 99-100 (%)                           | 99.93000 %                           |
| Ignition Residue                                                    | 0-0.03 (%)                           | 0.00000 %                            |
| Melting point                                                       | 38-45 (°C)                           | 41.98000 °C                          |
| Appearance (H103909)                                                | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| Infrared spectrum                                                   | Conforms to Structure                | Conforms to Structure                |
| Solubility in H <sub>2</sub> O , clear colorless ,50 mg/ml in water | pass                                 | Pass                                 |



John Su  
QA & QC Manager