

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: N,N-Diethyl-p-phenylenediamine sulfate salt,AR,98%

ITEM NUMBER: A106039  
BRAND: Aladdin  
CAS NUMBER: 6283-63-2  
MDL NUMBER: MFCD00012993  
FORMULA: C10H16N2.H2SO4  
MOLECULAR WEIGHT: 262.33

| TEST  | SPECIFICATION  |         | TARGET VALUE |
|---|--|---------|--------------|
|   | MIN.   | MAX.    |              |
| Appearance  | White to Light Brown Powder, Crystals, Solid<br>, Chunks |         |              |
| Infrared spectrum   | Conforms to Structure                                    |         |              |
| Loss on drying  | 0 %  | 5 %     | 5 %          |
| Melting point   | 183 ° C  | 187 ° C | 187 ° C      |
| Purity(HPLC)  | 98 %   | 100 %   | 100 %        |
| Purity(Neutralization titration)(calcd.on dried<br>substance) | 96.5 %   | 103.5 % | 103.5 %      |
| Solubility in Water   | almost transparency                                      |         |              |