

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: 1,2-Dinitrobenzene, analytical standard

ITEM NUMBER: D111112  
BRAND: Aladdin  
CAS NUMBER: 528-29-0  
MDL NUMBER: MFCD00007093  
FORMULA: C<sub>6</sub>H<sub>4</sub>N<sub>2</sub>O<sub>4</sub>  
MOLECULAR WEIGHT: 168.11

| TEST                   | SPECIFICATION             |         | TARGET<br>VALUE |
|------------------------|---------------------------|---------|-----------------|
|                        | MIN.                      | MAX.    |                 |
| Appearance             | yellow powder or crystals |         |                 |
| Infrared spectrometry  | Conforms to Structure     |         |                 |
| Melting point          | 116 ° C                   | 119 ° C | 119 ° C         |
| Purity(HPLC)           | 99.5 %                    | 100 %   | 100 %           |
| Solubility in Methanol | almost transparency       |         |                 |