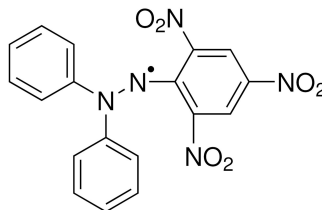


# Certificate of Analysis

**Product Name :** 2,2-Diphenyl-1-picrylhydrazyl  
**Product Number :** D9132-1G  
**Batch Number :** 0000475113  
**Source Batch :** 0000443772  
**CAS Number :** 1898-66-4  
**MDL Number :** MFCD00007231  
**Storage Temperature :** +2°C to +8°C  
**Molecular Formula :** C<sub>18</sub>H<sub>12</sub>N<sub>5</sub>O<sub>6</sub>  
**Formula Weight :** 394.32 g/mol  
**Recommended Retest Date :** Apr 2028  
**Quality Release Date :** 29 Apr 2025



Test	Specification	Result
Appearance (Color)	Conforms to Requirements	Black
Green to Very Dark Green and Black		
Appearance (Form)	Powder	Powder
Solubility (Color)	Dark Purple	Dark Purple
50MG/ML, CHCL3		
Carbon Content	51.5 - 58.1 %	56.6 %
Nitrogen Content	15.8 - 18.8 %	17.9 %
Infrared Spectrum	Conforms to Structure	Conforms
Recommended Retest Period	-----	-----
3 YEARS		

Pramod Kadam(PhD),Manager  
 Analytical  
 Bangalore  
 IN

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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