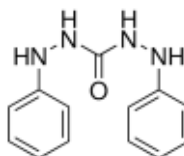


## Certificate of Analysis

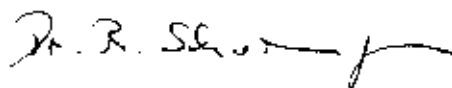
Product Name:

1,5-Diphenylcarbazide - reag. Ph. Eur., ≥98.0%, for metal titration

**Product Number:** 33152  
**Batch Number:** BCCL6021  
**Brand:** SIAL  
**CAS Number:** 140-22-7  
**Formula:** C<sub>13</sub>H<sub>14</sub>N<sub>4</sub>O  
**Formula Weight:** 242,28 g/mol  
**Quality Release Date:** 21 MAR 2024  
**Recommended Retest Date:** AUG 2027



Test	Specification	Result
Appearance (Color)	White to Faint Red	Faint Red
Appearance (Form)	Powder or Crystals	Powder
Purity (HPLC)	≥ 98.0 %	99.4 %
HPLC Minor Component 1	≤ 2.0 %	0.1 %
Diphenylcarbazone in Accordance Diphenylcarbazone		
Melting Point	170 - 175 °C	173 °C
Insoluble Matter	≤ 0.1 %	< 0.1 %
Insoluble Matter in Ethanol < = 0.1%		
Sulphated Ash	≤ 0.05 %	< 0.05 %
<sup>1</sup> H NMR Spectrum	Conforms to Structure	Conforms
Application Test	Corresponds to Requirements	Corresponds
Passes Test for Hg Detection		



Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland CH

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. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

