

3050 Spruce Street, Saint Louis, MO 63103, USA

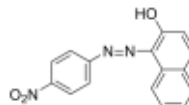
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## Certificate of Analysis

Product Name:

Para Red - Dye content 95 %

**Product Number:** 100994  
**Batch Number:** MKBS8508V  
**Brand:** SIAL  
**CAS Number:** 6410-10-2  
**MDL Number:** MFCD00003908  
**Formula:** C<sub>16</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub>  
**Formula Weight:** 293.28 g/mol  
**Quality Release Date:** 17 SEP 2014



Test	Specification	Result
Appearance (Color)	Red	Red
Appearance (Form)	Powder	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Wavelength in 0.008g/l, Toluene	485 - 491 nm	486 nm
Extinction Coefficient	≥ 21000	23323
Wavelength	325 - 331 nm	329 nm
Extinction Coefficient	≥ 8000.00	8629.00
Carbon	61.6 - 69.5 %	65.0 %
Nitrogen	13.4 - 15.2 %	14.1 %
TLC	Conforms	Conforms
Consistent With Control		
Solubility (Turbidity) c = 1mg/ml, Acetone	Clear to Slightly Hazy	Clear
Solubility (Color) Orange to Red	Conforms to Requirements	Dark Red-Orange

Ali Ataei, Manager  
Quality Control  
Milwaukee, WI US

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. 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.