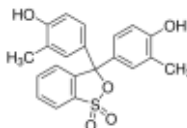


## Certificate of Analysis

Product Name:

Cresol red - indicator grade, Dye content 95 %

**Product Number:** 114472  
**Batch Number:** BCCL9070  
**Brand:** SIAL  
**CAS Number:** 1733-12-6  
**Formula:** C<sub>21</sub>H<sub>18</sub>O<sub>5</sub>S  
**Formula Weight:** 382,43 g/mol  
**Quality Release Date:** 13 JUN 2024



Test	Specification	Result
Appearance (Color)	Brown to Very Dark Brown and Red to Very Dark Green Dark Red and Red-Brown and Very Dark Red-Brown and Green to Very Dark Green	
Appearance (Form)	Powder to Crystals	Powder
Thin Layer Chromatography	Corresponds to Standard	Corresponds
pH (pH-Transition) pH 1.8 Yellow To Orange		1.8
pH (pH-Transition) pH 8.8 Purple To Dark Purple		8.8
Carbon Content	61.3 - 70.5 %	64.6 %
Infrared Spectrum	Conforms to Structure	Conforms
Wavelength (1)(UV)	571 - 575 nm	573 nm
Molar Absorbancy Index (1)(UV)	≥ 50000	57304
Solvent (UV) 0.005 g/L, H <sub>2</sub> O + 20 ml pH 9 Boric Buffer	Conforms	Conforms

Dr. Reinhold Schwenninger  
Quality Assurance

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.



## Certificate of Analysis

**Product Number:** 114472  
**Batch Number:** BCCL9070

---

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.

