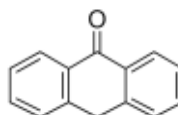


## Certificate of Analysis

Product Name:

Anthrone - ACS reagent, 97%

Product Number: 319899  
Batch Number: BCCN2995  
Brand: SIAL  
CAS Number: 90-44-8  
Formula: C<sub>14</sub>H<sub>10</sub>O  
Formula Weight: 194.23 g/mol  
Quality Release Date: 25 JUN 2025



Test	Specification	Result
Appearance (Color)	Off White to Yellow	Light Yellow
Appearance (Form)	Powder or Crystals	Crystals
Melting Point	154 - 160 °C	156 °C
5 Degrees Celsius Range (Maximum), Including 156 Degrees C		
Solubility (Color)	Faint Yellow to Dark Yellow and Faint Green-Yellow to Dark Green-Yellow	Light Green-Yellow
Solubility (Turbidity)	Clear	Clear
2 % in Ethyl Acetate		
Carbon Content	83.5 - 89.6 %	85.7 %
Infrared Spectrum	Conforms to Structure	Conforms
Wavelength (1)(UV)		425 nm
425 nm, Passes Absorbance of Reagent Solution Test		
Absorbance	≤ 0.75	0.71
Wavelength		620 nm
(2)(UV) 620 nm, Passes Absorbance of Reagent Solution Test		
Absorbance	≤ 0.045	0.005
Solvent	Conforms	Conforms
(UV) Sulfuric Acid (acc. to ACS-Test Absorbance of Reagent Solution)		
Miscellaneous Assay	Corresponds to Requirements	Corresponds
Passes Test Sensitivity To Carbohydrates		

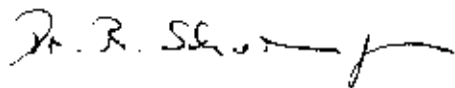
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical 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: 319899  
Batch Number: BCCN2995

Test	Specification	Result
Meets ACS Requirements Passes	Corresponds to Requirements	Corresponds



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.

