

3050 Spruce Street, Saint Louis, MO 63103, USA

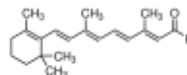
Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Certificate of Analysis

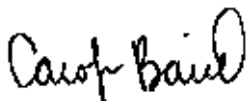
Product Name:

all trans-Retinal - powder, ≥98%

Product Number: R2500
Batch Number: SLCB6475
Brand: SIGMA
CAS Number: 116-31-4
MDL Number: MFCD00001550
Formula: C₂₀H₂₈O
Formula Weight: 284.44 g/mol
Storage Temperature: Store at -20 °C
Quality Release Date: 10 APR 2019



Test	Specification	Result
Appearance (Color)	Yellow to Dark Yellow and Orange to Dark Orange Orange	
Appearance (Form)	Powder	Powder
Solubility (Color)	Yellow to Dark Yellow	Yellow
Solubility (Turbidity)	Clear	Clear
5 mg/mL, Acetonitrile		
Carbon	82.0 - 86.1 %	82.7 %
Purity (HPLC)	≥ 98 %	98 %
Proton NMR Spectrum	Conforms to Structure	Conforms



Carolyn Baird, Supervisor
Quality Assurance
St. Louis, Missouri 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.