3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

all trans-Retinal - powder, ≥98%

Product Number: R2500
Batch Number: SLCJ4760
Brand: SIGMA

CAS Number: 116-31-4
MDL Number: MFCD00001550

Formula: C20H28O
Formula Weight: 284.44 g/mol
Storage Temperature: Store at -20 ℃
Quality Release Date: 24 MAR 2021

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Test	Specification	Result	
Appearance (Color)	Yellow to Dark Yellow and Orange to Dark Yellow-Orange		
	Orange		
Appearance (Form)	Powder	Pow der	
Solubility (Color)	Yellow to Dark Yellow	Yellow	
Solubility (Turbidity)	Clear	Clear	
5 mg/mL, Acetonitrile			
Carbon	82.0 - 86.1 %	84.1 %	
Purity (HPLC)	> 98 %	99 %	
Proton NMR Spectrum	Conforms to Structure	Conforms	

Brian Dulle, 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.

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