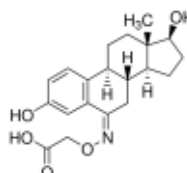


Certificate of Analysis

Product Name:

 β -Estradiol-6-one 6-(O-carboxymethyloxime)

Product Number: K2126
Batch Number: 017M4021V
Brand: SIGMA
CAS Number: 35048-47-6
Formula: C₂₀H₂₅NO₅
Formula Weight: 359,42 g/mol
Storage Temperature: Store at 2 - 8 °C
Quality Release Date: 26 MAY 2016
Date Retested: 05 MAR 2019
Recommended Retest Date: MAR 2022



Test	Specification	Result
Appearance (Form)	Powder	Powder
Appearance (Colour)	White to White w/ Yellow Cast	White
Solubility (Solvent)	Ethanol	Ethanol
Solubility (Conc)	19.60 - 20.40 mg/ml	20.00 mg/ml
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Colorless to Faint Yellow	Colorless
Water (by Karl Fischer)	≥ 0.00 %	1.36 %
Elemental Anal. (%C anhydrous)	66.32 - 67.32 %	66.60 %
Elemental Anal. (%N anhydrous)	3.49 - 4.29 %	4.15 %
NMR (Solvent)	DMSO-d ₆	DMSO-d ₆
Identity by NMR	Consistent	Consistent with Structure
Purity (TLC)	≥ 98.00 %	99.50 %
UV (Solvent)	Ethanol	Ethanol
UV (Lambda max 1)	310 - 314 nm	311 nm
UV (EmM at Lambda max 1)	3.30 - 3.90	3.80
UV (Lambda max 2)	259 - 263 nm	260 nm
UV (EmM at Lambda max 2)	9.90 - 11.10	10.44

Theo Ackermann PhD MScEng CQM
 Manager, Quality and Regulatory Affairs

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.

3050 Spruce Street, Saint Louis, MO 63103, USA

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

Certificate of Analysis

Product Number: K2126
Batch Number: 017M4021V

Jerusalem, Israel IL

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.