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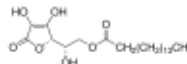
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Ascorbic acid 6-palmitate - meets USP testing specifications

Product Number: A1968
Batch Number: SLBM0314V
Brand: SIAL
CAS Number: 137-66-6
MDL Number: MFCD00005377
Formula: C₂₂H₃₈O₇
Formula Weight: 414.53 g/mol
Quality Release Date: 16 DEC 2014



Test	Specification	Result
Identity	Pass	Pass
Melting Point	107 - 117 °C	115 °C
Specific Rotation	21 - 24 °	23 °
Loss on Drying	≤ 2.0 %	0.0 %
Residue on ignition (Ash)	≤ 0.1 %	0.0 %
Heavy Metals < or = 0.001%	Pass	Pass
Residual Solvents USP 467	Meets Requirements	Class 3 Solvents Only, < = 0.5%
Assay	95.0 - 100.5 %	99.3 %



Rodney Burbach, Manager
Analytical Services
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.