

## Certificate of Analysis

Date of Testing: 2023-05-31 15:04:48  
 Date of Next Testing: 2027-05-30 15:04:48  
 Product Name: **L-Ascorbic acid 6-palmitate**  
 CAS Number: 137-66-6  
 Specifications & Purity: USP grade  
 Lot #: E2310735  
 SKU #: **A104525**  
**Analysis: 068966**

Parameter	Limit Values	Result
Ignition Residue(Ash)	0-0.1 (%)	0.00 %
Loss on drying	0-2 (%)	0.17 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in EtOH)	21-24 (°)	22.00°
Heavy metals	0-0.001 (%)	0.00 %
Melting point	107-117 (°C)	109.00000 °C
Assay	95-100.5 (%)	98.73 %
Appearance (A104525)	White to Off-White Powder or Solid	White to Off-White Powder or Solid
Identification	pass	Pass
Residual Solvents USP <467>	meets the requirements	meets the requirements
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager