

# Chem-Impex International, Inc.

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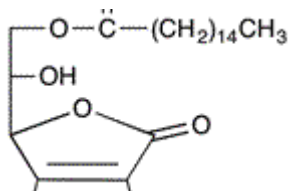
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



## Product Specifications

Catalogue Number 32386  
Product **6-O-Palmitoyl-L-ascorbic acid**

L-Ascorbic acid 6-palmitate

L-Ascorbic acid 6-hexadecanoate

CAS Number 137-66-6

Molecular Formula  $C_{22}H_{38}O_7$

Molecular Weight 414.53

**Appearance** White or yellow white powder  
**Clarity & Color** Whiteness matter :  $\geq 68$   
**Melting Point** 107 - 117 °C  
**Heavy Metals**  $\leq 4$  ppm  
**Cation** Lead :  $\leq 3$  ppm  
Arsenic :  $\leq 1.0$  ppm  
Cadmium :  $\leq 1.0$  ppm  
Mercury :  $\leq 0.011$  ppm  
**Optical Rotation**  $[\alpha]_D^{20} = 21 - 24^\circ$   
**Transmission** State of solution : Clear and not more than BY4  
**Loss on Drying**  $\leq 0.8\%$   
**Coliform Organisms**  $\leq 30$  MPN / 100g  
**E. Coli, Salmonella, S.Aureus** Negative  
**Microbial Count**  $\leq 1000$  cfu/g  
**Residue On Ignition**  $\leq 0.1\%$   
**Assay by titration** 98.0 - 100.5% (On dried basis)  
**Storage** Store at RT  
**Additional Information** Identification : Positive

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**For Laboratory Use Only**