# Ascorbyl Palmitate

*$C_{22}H_{38}O_7$ · CAS 137-66-6 · Ascorbyl palmitate, powder*

**CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION**

| CHEMICAL FORM | FORMULA | CAS | PRIMARY ASSAY |
|---|---|---|---|
| Ascorbyl palmitate, powder | $C_{22}H_{38}O_7$ | 137-66-6 | ≥95.0% |
| **METHOD** | **MINIMUM ORDER** | **LEAD TIME** | **STANDARD PACK** |
| HPLC | 1 kg | 1–7 days | 1 kg foil pouch · 25 kg fiber drum |

## DESCRIPTION

Ascorbyl palmitate specified at ≥95.0% by HPLC with melting point and loss on drying; the fat-soluble ester and ascorbic acid are different products with different solubility and use.

## SPECIFICATION

| PARAMETER | SPECIFICATION | METHOD / NOTE |
|---|---|---|
| Assay (HPLC) | ≥95.0% | As stated |
| Appearance | White to off-white powder | As stated |
| Identification | HPLC and IR conform | As stated |
| Melting point | 107–117 °C | As stated |
| Loss on drying | ≤1.0% | As stated |
| Heavy metals | Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg | As stated |
| Microbiology | APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent | As stated |
| Particle size | ≥95% through 80 mesh | As stated |
| Marker set | Ascorbyl palmitate ≥95.0% (HPLC) | Identity |
| Solubility | Insoluble in water; soluble in fats and in organic solvents. | Matrix dependent |

## APPLICATIONS

- Softgel capsules
- Oil-based blends

## AVAILABLE FORMS

- Powder
- Oil dispersion on request

## PACKING

- 1 kg foil pouch
- 25 kg fiber drum

## STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling.

The lot-specific retest date is shown on the batch COA.

## DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

> **Catalog document.** This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China
info@rainwoodbio.com · nutrition.rainwoodbio.com