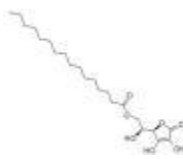


## Technical Data Sheet

### Basic information

Chemical name	Ascorbyl Palmitate	Formula	C22H38O7
Synonyms	Vitamin C palmitate;	Chemical structure	
CAS.No.	137-66-6		
EINECS No.	205-305-4		
Molecular weight	414.53		

### Physical properties

Appearance	White or yellow-white powder
Density,g/cm <sup>3</sup>	1.15
Melting point, C	115- 118
Flash point, C	178.1
Vapor Pressure, 25 C	3.32E-14mmHg
Solubility	Easily soluble in water and vegetable oils, soluble in ethanol.

### Specification

Items	Specification
Appearance	White or yellow-white powder
Assay(On dried basis)	98.0% ~ 100.5%
Whiteness matter	≥68
Optical rotation	+21° ~ +24°
Loss on drying	≤0.80%
Residue on Ignition	≤0.1%
Bacteria amount	≤ 1000 cfu/g
Coliforms bacteria	≤30 MPN/100g
Heavy metals	≤4ppm
Lead	≤3ppm
Arsenic	≤ 1ppm
Cadmium	≤ 1ppm
Mercury	≤0.01ppm

### Application

<b>Food additives</b>	1) Antioxidants.
	2) Color fixative. Used for the protection of natural pigments (such as chili red pigment, lycopene, carotene, lutein, etc.) easily oxidized.

- 3) Use as a fat-soluble antioxidant, with a good effect on soybean oil, cottonseed oil, palm oil, unsaturated fats and hydrogenated vegetable oils.
- 4) Dairy baby products, to prevent baby milk consumption from oxidation defeated.
- 5) For fried products, it can prevent lipid rancidity to extend the shelf life (such as instant noodles, potato chips, fried fish, grilled meat, etc.).

**Daily chemical**

Fat-soluble whitening.

**Pharmaceutical care**

- 1) Protect the active ingredient for the drug, to prevent oxidation.
- 2) For nutrition enhancer of VC, it is without gastrointestinal irritation.

**Package**

500g per Aluminum foil bag; 25kgs per fiber drum, or as per customer's requirements

**Safety on transportation**

It belongs to common goods, always refer to MSDS.

**Storage and handling**

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

*The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.*

**Issue Date:** 1st,12,2016