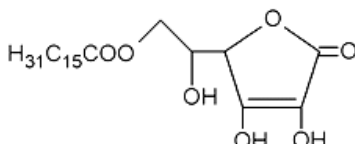


# TECHNICAL DATA SHEET

## ASCORBYL PALMITATE

Product name: Ascorbyl palmitate  
 Chemical name: L-Ascorbyl 6-palmitate  
 CAS No.: 137-66-6  
 Molecular formular: C<sub>22</sub>H<sub>38</sub>O<sub>7</sub>

Structure:



Molecular weight: 414.5

Application: Processing aid TIASP is a fat-soluble derivative of ascorbic acid, which is marketed as a nutritional supplement. It is used as nutrition strength modifier or an antioxidant in foods, pharmaceuticals and cosmetics, and it also can be used as an antistaling agent.

Specification	BP2011/USP34/EP6/FCC4/E304	Testing Method
Appearance	A white or yellow-white powder, odourless	Visual
Identification	Chemical Method	FCCVIII
Melting point	107°C ~ 117°C	FCCVIII
Specific optical rotation	+21.0° ~ +24.0°	FCCVIII
Loss on drying	Not more than 1.0%	FCCVIII
Residue on ignition	Not more than 0.1%	FCCVIII
Sulphated ash	Not more than 0.1%	EP6
Heavy metals	Not more than 10 ppm	AFS
Lead	Not more than 2 ppm	AFS
Arsenic	Not more than 3 ppm	AFS
Cadmium	Not more than 1 ppm	AFS
Total Mercury	Not more than 0.1 ppm	AFS
State of solution	Clear and Not more than BY <sub>4</sub>	EP6
Organic volatile impurities	Meet the requirements	EP6
Assay	98.0 %~ 100.5%	EP6
Total bacteria amount	Not more than 1000cfu/g	AOAC
Coliforms	Not more than 30cfu/g	AOAC
Salmonella and Shigella	Negative	AOAC
staphylococcus aureus	Negative	AOAC

Packing: In 25kg net drum, Inner plastic bag.

Storage: Store in a cool, dry, well-ventilated place away from direct sunlight. Do not use or store near heat, open flame or hot surfaces.

Shelf Life: Keep in the unopened original packing and stored in the certain condition, shelf life is two years.

No toxic elements and free from radionuclide.

Stamp and Sign