

Specification of Ascorbyl Palmitate

Product: Ascorbyl Palmitate

Package: 25KG/DRUM

Type: Food Grade

Item	Standard Results		Method
FCC	Appearance	White or yellowish-white powder	White powder
	Identification	IR or Specific Rotation or Chemical method	Positive
	Appearance of solution	Clear and ≤BY4	Clear and <BY4
	Assay	98.0%~100.5%	98.92%
	Specific Rotation	+21.0°~+24.0°	+23.02°
	Loss on Drying	≤1.0%	0.24%
	Sulphated ash	≤0.1%	0.06%
	Heavy Metals	≤10ppm	<10ppm
	Appearance	A white to yellowish white powder	White powder
	Identification	IR or HPLC	Positive
E304	Assay	95.0%~100.5%	98.98%
	Specific Rotation	+21.0°~+24.0°	+23.02°
	Loss on Drying	≤2.0%	0.24%
	Residual solvents	≤0.5%	Conforms
	Residue on Ignition	≤0.1%	0.06%
	Appearance	A white or yellow-white powder	White powder
	Identification	Chemical method or IR	Positive
	Assay	≥95.0%	98.98%
	Specific Rotation	+21.0°~+24.0°	+23.02°
	Loss on Drying	≤2.0%	0.24%
E304	Melting Point	107°C~117°C	112.5°C~114.0°C
	Residue on Ignition	≤0.1%	0.06%
	Lead	≤2ppm	<2ppm
	Appearance	White or yellowish white solid	White powder
	Assay	Min.98%	98.92%
	Specific Rotation	+21.0°~+24.0°	+23.02°
	Loss on Drying	≤1.0%	0.24%
	Melting Point	107°C~117°C	112.5°C~114.0°C
	Sulphated ash	≤0.1%	0.06%
	Lead	≤2ppm	<2ppm
EC	Arsenic	≤3ppm	<3ppm
	Mercury	≤0.1ppm	<0.1ppm
	Cadmium	≤1ppm	<1ppm

We certify that this batch of **Ascorbyl Palmitate** conforms to the current **BP/USP/FCC/Ph.Eur./E304**.

Shelf Life: 24months

Storage: well-closed packages stored in shaded, cool, dry, clean and ventilated places on pallets; prohibited to be placed together with poisonous or harmful substances. Open and use.