



# Dongguan Geen Chemical Technology Co.,Ltd.

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## Certificate Of Analysis

Product Name: Ascorbyl Palmitate

Manufacturing Date:20/04/2013

Expiration Date:19/04/2015

Batch NO: 130420034

Analysis Date: 20/04/2013

Specification: BP2011/EP7.0/USP34/FCCVIII/E304

Item	Specification	Results
Appearance	A white or yellow-white powder	Conform
Identification	Positive	Positive
State of solution	Clear and max. BY4	Conform
Whiteness	Min. 68	91.6
Optical rotation	Between +21°and +24°	+22.0°
Melting range	Between 107°C and 117°C	109~110°C
Loss on drying	Max. 0.8%	0.36%
Residue on ignition	Max. 0.1%	0.029%
Organic volatile impurities	Meet the requirement	Conform
Lead	Max. 2 mg/kg	0.006mg/kg
Arsenic	Max. 3mg/kg	Not detected
Cadmium	Max. 1mg/kg	Not detected
Mercury	Max. 0.1mg/kg	0.008 mg/kg
Assay(On dried basis)	98.0% ~ 100.5%	99.69%
Bacteria amount	Max. 1000cfu/g	< 10cfu/g
Coliforms bacteria	Max. 30 MPN/100g	< 30 MPN/100g
Pathogenic bacteria (salmonella、shigella、 staphylococcus aureus)	Negative	Negative
Conclusion	Meet the requirements of BP2011/EP7.0/USP34/FCCVIII/E304	

Analysis:

Checker:

Stamp and sing: