



Dalian Handom Chemicals Co.,Ltd.

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Certificate Of Analysis

Product Name: Ascorbyl Palmitate
Manufacturing Date: Apr. 25th, 2021
Retest Date: Apr. 2th, 2023

Batch No.: HDC210425240
Analysis Date: Apr. 25th, 2021
Specification: BP2015/EP8.0/USP38/FCCIX

Item	Specification	Result
Appearance	A white or yellow-white powder	Conform
Assay(On dried basis)	98.0% ~ 100.5%	98.75%
Whiteness	Not less than 68	89.8
State of solution	Clear and Not more than BY ₄	Conform
Optical rotation	Between +21 °and +24°	+22.0°
Melting range	Between 107°C and 117°C	109-110°C
Loss on drying	Not more than 0.8%	0.26%
Residue on ignition	Not more than 0.1%	0.027%
Sulphated ash	Not more than 0.1%	Not detected
Bacteria amount	Not more than 1000 cfu/g	< 10 cfu/g
Coliforms bacteria	Not more than 30 MPN/100g	< 30 MPN/100g
Pathogenic bacteria (salmonella, shigella, staphylococcus aureus)	Negative	Negative
Heavy metal(as Pb)	Not more than 4 ppm	<4 ppm
Lead	Not more than 2 ppm	< 2 ppm
Arsenic	Not more than 1 ppm	< 1 ppm
Cadmium	Not more than 0.5 ppm	Not detected
Mercury	Not more than 0.01 ppm	Not detected
Identification	Positive	Positive
Remarks	Store in an airtight container, protected from light, prevent moisture, heat.	