

Certificate of Analysis

Product Name:	Ascorbic acid BP2011/USP34/FCC7/E300		
Batch No.:	1120620538 ✓	Manufacturing Date:	17 th Jun, 2012
Quantity:	2000kg	Expiry Date:	16 th Jun, 2015

ITEMS	STANDARDS	RESULT
Appearance	White or almost white	White crystalline
Identification	Positive	Positive
Melting Point	190°C~192°C	190°C
PH(5%,W/V)	2.2~2.5	2.3
PH(2%,W/V)	2.4~2.8	Conforms
Specific Optical Rotation	+20.5°~+21.5°	+21.1°
Clarity and Color of Solution	Clear, not more intensely than by 7	Clear, not more intensely than by 7
Heavy Metals	≤0.0003%	<0.0003%
Assay(as C ₆ H ₈ O ₆)	99.0%~100.5%	99.8%
Particle Size	20~100mesh	Conforms
Copper	≤3ppm	<3ppm
Iron	≤2ppm	<2ppm
Mercury	≤0.1ppm	<0.1ppm
Arsenic	≤0.0002%	<0.0002%
Lead	≤0.0002%	<0.0002%
Oxalic Acid	≤0.2%	<0.2%
Loss On Drying	≤0.1%	0.07%
Sulphated Ash	≤0.1%	0.03%
Related Substances	Impurity C≤0.15% Impurity D≤0.15% Unspecified Impurities≤0.10% Total≤0.2%	<0.15% <0.15% <0.10% <0.2%
Residual Solvents (Methanol)	≤3000ppm	<3000ppm
Total Plate Count	≤1000cfu/g	<1000cfu/g
Yeasts & Molds	≤100cfu/g	<100cfu/g
E.Coli	Absence in 1g	Conforms
Salmonella	Absence in 25g	Conforms
Staphylococcus Aureus	Absence in 25g	Conforms
Conclusion	Conforms to the BP2011/USP34/FCC7/E300 standard	

QC: LIHUIJING

CHECKER:

ACERCHEM INTERNATIONAL INC.
QUALITY CONTROL
Authorized Signature(s)