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SPECIFICATION SHEET

Ascorbic Acid

Item Code: 011
Updated: July 2012

Country of Origin: China

TEST ITEMS	SPECIFICATIONS	TEST METHODS
Description	White or almost white crystalline powder	Visual
Identification	Positive reaction	USP<197K>
Melting point	About 190°C	EP <2.2.60>
pH (w/ 2% water solution)	2.4 ~ 2.8	EP <2.2.3>
pH (w/ 5% water solution)	2.1 ~ 2.6	EP <2.2.3>
Clarity of Solution	Clear	EP <2.2.1>
Color of Solution	≤BY ₇	EP <2.2.2>
Zinc	≤25 ppm	EP <2.2.23>
Heavy Metals	≤10 ppm	EP <2.4.8>
Copper	≤5 ppm	EP <2.2.23>
Lead	≤2 ppm	EP <2.2.23>
Iron	≤2 ppm	EP <2.2.23>
Cadmium	≤1 ppm	EP <2.2.23>
Arsenic	≤3 ppm	EP <2.4.2>
Mercury	≤0.1 ppm	EP <2.2.21>
Oxalic Acid	≤0.2%	EP
Residue on Ignition	≤0.1%	EP <2.4.14>
Specific Optical Rotation	+20.5° ~ +21.5°	EP <2.2.7>
Assay	99.0% ~ 100.5%	CP
Loss on drying	≤0.4%	EP <2.2.32>
Residual Solvents:		
Methanol	≤3,000 ppm	USP <467>
Related Substances:		
Impurity C	≤0.15%	EP <2.2.29>
Impurity D	≤0.15%	EP <2.2.29>
Any Other Impurities	≤0.10%	EP <2.2.29>
Total Impurities	≤0.20%	EP <2.2.29>
Microbiology:		
Total aerobic plate count	≤1,000 cfu/g	ChP2010
Yeast & Mold	≤100 cfu/g	ChP2010
Coliforms	Negative	ChP2010

Conclusion Conforms to BP2012/USP34/EP7/FCC7&2008/84/EC standards

Shelf Life: 3 years

Packing: In cartons of 25 kgs

- Kosher certified

Gayathri Vasudevan

Manager, Quality Assurance & Regulatory