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SPECIFICATION SHEET

Date:Nov.2,2023

Product Name		Ascorbic Acid (Vitamin C)
Shelf life		4 years
Analysis Contents		Analysis Standard
Characteristics		White or almost white crystalline powder
Identification		Positive reaction
Melting Point		About 190°C
PH(5% aqueous solution)		2.1-2.6
PH(2% aqueous solution)		2.4-2.8
Clarity Of Solution		Clear
Colour Of Solution		BY ₇ max
Copper		5ppm max
Heavy Metals		10ppm max
Iron		2ppm max
Arsenic		3ppm max
Lead		2ppm max
Mercury		1ppm max
Cadmium		1ppm max
Impurity E		0.2%max
Related Substances	Impurities C	0.15%max
	Impurities D	0.15%max
	Unspecified Impurities	0.10%max
	Total of impurities other than C and D	0.2%max
Loss of drying		0.4% max
Oxalic Acid		0.2% max
Sulphate Ash		0.1% max
Specific Optical Rotation		+20.5°-+21.5°
Organic Volatile Impurities		Pass
Assay		99.0%-100.5%
Conclusion		BP2019/USP43/FCC 9/E300/EP10.0

Authorized Signature(S)