



## SPECIFICATION SHEET

**PRODUCT NAME: ASCORBIC ACID**

**CAS #: 50-81-7**

Item	Specification	Test Method	
Characters	White or almost white, crystalline powder or colorless crystals	Visual Method	
Identification	Corresponds	EP	
Melting Point	189 °C ~193 °C	CP	
pH	2.1~2.6 (5%, W/V) 2.4~2.8 (2%, W/V)	EP	
Specific Optical Rotation	+20.5°~ +21.5°	EP	
Appearance of Solution	Solution S should be clear and not more intensely, coloured than reference solution BY7	EP	
Heavy Metals	≤10ppm	EP	
Assay	99.0%~100.5%	Titration	
Copper (Cu)	≤5 ppm	AAS	
Iron(Fe)	≤2 ppm	AAS	
Mercury (Hg)	≤1 ppm	AAS	
Arsenic	≤3 ppm	National Standard	
Lead (Pb)	≤2 ppm	AAS	
Impurity E (Oxalic acid)	≤0.2%	EP	
Loss on Drying	≤0.4%	Loss on drying	
Sulphated Ash	≤0.1%	EP	
Related Substances	Impurity C	≤0.15%	EP
	Impurity D	≤0.15%	EP
	Unspecified Impurities	≤0.10%	EP
	Total Impurities (other than C and D)	≤0.2%	EP
Residual Solvents (Methanol)	≤3000ppm	GC, In-house	
TAMC	≤1000 CFU/g	EP	
TYMC	≤100 CFU/g	EP	
E. Coli	Absence/g	EP	
Particle Size	40 Mesh	-	Sieve Method
	80 Mesh	-	
	100 Mesh	-	



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Shelf life (保质期): Three years  
Country of origin (原产国): China  
Starting material (生产起始原料): Corn  
Composition (成分组成): Ascorbic Acid ( $\geq 99\%$ )  
Residual Solvent (溶剂残留): Methanol

Standard (符合标准): (BP/EP/USP/E300/FCC10)  
Package Size (包装规格): 25kg/carton  
Storage (储存条件): Store in light-resistant, tight and dry place. Storage temperature  $\leq 30^{\circ}\text{C}$ .