

PRODUCT IDENTITY

PRODUCT NAME	Ascorbic acid	PRODUCT NUMBER	A656912
Grades & Purity	Animal Free, Low Endotoxin, Moligand™, for cell culture, ≥98%	VERSION	3
CAS NUMBER	50-81-7	FORMULA	C ₆ H ₈ O ₆
FORMULA WEIGHT	176.12g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Appearance(A656912)	White to Light Yellow Powder or solid or crystals
Proton NMR spectrum	Conforms to Structure
Solubility in H ₂ O,Colorless to Faint Yellow,Clear,50 mg/ml	Pass
Assay (Titration with Iodine)	98-102.5 (%)
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	20.5-21.5 (°)
Heavy metals(as Pb)	0-10 (ppm)
Ignition Residue	0-0.1 (%)
Endotoxin Assay	0-1 (EU/mg)
Total Plate Count	0-1000(CFU/g)

PARAMETER	SPECIFICATION / LIMIT
Loss on drying	0-0.4 (%)