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Specification Sheet

Product Name	ALPHA KETOGLUTERATE	
CAS #	328-50-7	
Starting Material	Mathyl Dichoroacetate, Methyl Acrylate; Sodium Methoxide	
TESTS	**SPECIFICATION**	**TEST PROTOCOL**
ASSAY		
Assay	>98%	HPLC (on dry basis)
PHYSICAL CONTROL		
Color	Off- white to white	Visual
Appearance	Crystalline	Visual
Loss on Drying	≤0.5%	Per Monograph
Residue on Ignition	≤0.2%	Per Monograph
Melting Point	113.0 ~117.0 ℃	Melting Point Apparatus
Transmittance	>97%	Per Monograph
CHEMICAL CONTROL		
Heavy metals	≤ 10 ppm	Colormetry
Lead (Pb)	≤ 1 ppm	AAS
Arsenic (As)	≤ 3 ppm	AFS
Cadmium (Cd)	≤ 1 ppm	AAS
Mercury (Hg)	≤ 1 ppm	AFS
Iron	≤ 10 ppm	Per Monograph
MICROBIOLOGICAL CONTROL		
Total Plate Count	≤ 1000 cfu/g	AOAC
Total Yeast & Mold	≤ 100 cfu/g	AOAC
Coliforms	≤ 100 cfu/g	AOAC
Salmonella	Negative	AOAC
E. Coli	Negative	AOAC
Staphylococcus Aureus	Negative	AOAC

Storage:

Store in a dry and cool place, keep container tightly closed.

Note: The above information is based on the specification sheet received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by : _____

Abdullah Malik (QA)