

SPECIFICATION SHEET

Product Name Calcium Alpha- Ketoglutaric Acid
CAS No. 71686-01-6

ITEMS		SPECIFICATIONS
Description		White or almost white crystalline power
Purity by HPLC		≥98.0%
Identification	IR	Similar with the Reference Spectrum
	Optical Rotation	-15.5°~-17.5°
Inorganic impurities	Ammonium	≤ 200ppm
	Arsenic	≤ 2ppm
	Chlorides	≤ 200ppm
	Sulphates	≤ 300ppm
	Heavy Metals	≤ 10ppm
	Iron	≤ 10ppm
	Cadmium	≤ 1ppm
	Lead	≤ 3ppm
	Mercury	≤ 1ppm
	Residue on Ignition	≤ 0.1%
Organic impurities	Total	≤ 2.0%
	GSSG	≤ 1.5%
Clarity and color of solution		Clear and Colorless
Residual solvents		Meet the requirement
Loss on Drying		≤ 0.5%
Microbiology	Total plate count	≤ 1000cfu/g
	Yeast and mold count	≤ 100cfu/g
	Total coliforms	≤ 100cfu/g
	E. coli	Absent/10g