

Specification of L-ARGININE ALPHA-KETOGLUTARATE

Product:L-ARGININE ALPHA-KETOGLUTARATE

Type: Food Grade

Package: 25KG Drum

项 目 Item	指 标 Specification	结 果 Results	Test method
外观 Appearance	白色至黄色结晶性粉末 white to yellow Crystalline powder	Conform	Visual
含量 Assay (%)	≥98.0	98.9	Internal
旋光度 Specific rotation (°)[α] _D ²⁰	+5.5±1.0(10%W/V, H ₂ O)	+6.4	USP43
pH	4.0~5.5 (10%H ₂ O)	4.4	USP43
吸光度 Absorbance %	≤0.7(10%W/V, 420nm)	0.17	USP43
溶解性 Solubility(10%W/V)	Complete	Conform	USP43
干燥失重 Loss on Drying (%)	≤8.5	4.8	USP43
灼烧残渣 Residue on ignition (%)	≤0.2	0.04	USP43
重金属 Heavy Metals(as Pb) (ppm)	≤10	Conform	USP43
铅 Pb (ppm)	≤0.5	Conform	USP43
砷 As(ppm)	≤1	Conform	USP43
镉 Cd (ppm)	≤1	Conform	USP43
汞 Hg (ppm)	≤0.1	Conform	USP43
目数 Mesh	30	Conform	30mesh screen
Bulk Density (g/mL)	≥0.30	0.41	/
Tapped density (g/ml)	≥0.45	0.71	/
残留溶剂 Residual solvent (ppm)	≤3000	Conform	USP43
细菌总数 Total Plate Count	≤1000cfu/g	Conform	CP2020
酵母菌 Yeast	≤100cfu/g	Conform	CP2020
霉菌 Mold	≤100cfu/g	Conform	CP2020
大肠杆菌 E.Coli	Negative	Negative	CP2020
沙门氏菌 Salmonella	Negative	Negative	CP2020

Shelf Life: 24 months

Keep container dry and tightly closed;Keep in a cool well-ventilated place;Keep away from heat and oxidizing