

CERTIFICATE OF ANALYSIS

Product name	alpha-keto-Leucine Calcium salt		CAS NO.	51828-95-6
Quantity	50kgs		Batch NO	*****
Manufacturing date	*****		Expiry date	2 years
Items		Standards		Results
Appearance e		White or almost white crystalline powder		White crystalline powder
Odor		Characteristic		Characteristic
Identification		Chemical method or IR or HPLC		Positive
E _{1cm} ^{1%}		0.05 max		0.08
PH		5.0-7.5		5.73
Water content		12.0% max		8.48%
Assay		98.5%-102.0%		100.60%
Calcium		13.22-13.70%		13.24%
Related substance		Any single impurity:0.5% max		0.11%
		Total impurities :1.0% max		0.20%
Residual solvents		Methanol:0.3% max		0.03%
		Ether:0.5% max		0.03%
Chloride		0.02%max		Conforms
Heavy metals		0.0020% max		Conforms
Lead		3ppm max		Conforms
Mercury		0.1ppm max		Conforms
Cadmium		1ppm max		Conforms
Total plate count		1000 cfu/g max		60
Yeast & mold		100 cfu/g max		40
E.Coli		Negative		Negative
Salmonella		Negative		Negative
Conclusion		Qualified		

Q.C. Director: Chen Dan