

CERTIFICATE OF ANALYSIS

Product Name: L-Citrulline malate 2: 1	Quantity: 450kg	Batch No: 200406
Producing date: 2020.04.06	Sampling date: 2020.04.06	Shelf life: two years
Reference standard: Enterprise standard		
Item	Specifications	Results
Appearance	White crystalline powder	Conforms
Assay (dry basis),%	≥98.5	99.59
Specific rotation,	+17°~+19°(C=8,in 6N HCL)	+17.0°
Chloride(Cl),%	≤0.050	<0.050
Iron (Fe)	≤10ppm	<10ppm
Arsenic (As ₂ O ₃)	≤1ppm	<1ppm
Sulfate(SO ₄)	≤0.02%	0.01%
Pb	≤1ppm	<1ppm
Loss on drying, %	≤0.30	0.20
Residue on ignition, %	≤0.10	0.01
L-Citrulline	62.5%~74.2%	66.30%
DL-Malate	25.8%~37.5%	33.29%
Yeast and Moulds	≤100cfu/g	Conforms
Total plate	≤1000cfu/g	Conforms
E.coil	Absence/g	Conforms
Salmonella	Absence/g	Conforms
Conclusion: This product conforms to requirements of Enterprise standard.		