

# Specification of Citrulline: Malate 2:1

Product:Citrulline: Malate 2:1

Type: Food Grade

Package: 25KG Drum

Analysis Item	Specification	Method
Characters, Appearance	White crystals or crystalline powder	Visual
Specific rotation[α] <sub>D20</sub>	+17.0° to +19.0°	In house
State of solution (Transmittance)	Clear and colorless≥98.0%	In house
Chloride(Cl)	NMT 0.05%	In house
Iron(Fe)	NMT 10 ppm	In house
Lead	NMT 1 ppm	USP 43
Arsenic	NMT 0.5 ppm	USP 43
Cadmium	NMT 0.5 ppm	USP 43
Mercury	NMT 0.1 ppm	USP 43
Heavy metals(Pb)	NMT 10 ppm	In house
Loss on drying	NMT 0.3%	In house
Residue on ignition(sulfated)	NMT 0.10%	In house
Assay	L-Citrulline 62.5% ~ 74.2% DL-Malic acid 26.4% ~ 36.4%	In house

Shelf Life: 24 months

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