

Specification Sheet

Product Name	BCAA 4:1:1		
Packing	25Kg/Drum	Shelf Life:	24Months

Analysis	Specification	Test methods
Appearance	White to off-white fine powder	Visual
L-Leucine Content(%)	61.0~72.0	HPLC
L-Isoleucine content (%)	15.25~18.0	HPLC
L-Valine content (%)	15.25~18.0	HPLC
Specific rotation L-Leucine	+14.9°~+17.3°	USP30
Specific rotation L-Valine	+26.6°~+28.8°	USP30
Specific rotation L-Isoleucine	+38.9°~+41.8°	USP30
Chloride	not more than 0.05%	USP30
Sulfate	not more than 0.03%	USP30
Heavy Metals	not more than 10ppm	USP30
Lead	Not more than 3ppm	USP30
Cadmium	Not more than 1ppm	USP30
Arsenic	not more than 1ppm	USP30
Mercury	not more than 1ppm	USP30
Loss on drying	Not more than 0.5%	USP30
Residue on Ignition	Not more than 0.4%	USP30
Bulk Density(g/ml)	≥0.25g/ml	USP30
Tapped Density(g/ml)	≥0.30g/ml	USP30
Conclusion	Specification meet in house standard	