

Product Technical Data Sheet

Product name: Essential Amino Acis (EAA)

AC code: AC02777d

1. Technical Data Sheet

Chemical Name	N/A
CAS number	69430-36-0
Compliance (Food / Pharmacopoeia / FCC / Feed)	Food Supplement

Brief introduction:

Essential amino acids, also known as indispensable amino acids, are amino acids that humans and other vertebrates cannot synthesize from metabolic intermediates. These amino acids must be supplied from an exogenous diet because the human body lacks the metabolic pathways required to synthesize these amino acids.

Item	Standard	Analysis Method
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Appearance & Solubility

Appearance	White Fine Powder
Odor and Taste	Neutral odor

Typical Analysis

Item	Standard Specification	Tailor-Made Range	
Assay	≥90%		HPLC
L-Leucine	28.0%-33.0%	19.5% - 41.5%	HPLC
L-Isoleucine	13.5%-16.5%	9.0% - 19.0%	HPLC
L-Valine	12.5%-14.5%	10.5% - 19.0%	HPLC
L-Lysine HCL	11.5%-15.5%	10.0% - 20.0%	HPLC
L-Threonine	5.5%-8.5%	6.5% - 16.0%	HPLC
L-Phenylalanine	4.5%-6.5%	1.7% - 15.5%	HPLC
L-Histidine	3.0%-5.0%	1.0% - 8.5%	HPLC
L-Methionine	3.0%-5.0%	0.1% - 8.6%	HPLC
L-Tryptophan	3.0%-5.0%	0.5% - 12.5%	HPLC
Bulk Density	0.40g/ml~0.60g/ml		Enterprise Standard
Particle Size	≥90% through 80 mesh		Enterprise Standard
Loss on drying	≤1.0%		Enterprise Standard
Residue on ignition	≤0.40%		Enterprise Standard

Heavy metals

Total Heavy Metals	≤ 10 ppm	USP <233>
Lead	≤3.0 ppm	USP <233>
Arsenic	≤1.0 ppm	USP <233>
Cadmium	≤1.0 ppm	USP <233>

Mercury	≤0.1 ppm	USP <233>
Microorganism		
Aerobic bacterial count	≤3,000 cfu/g	USP <61>
Total Molds & Yeasts	≤300 cfu/g	USP <61>
E.Coli	Negative/10g	USP <62>
Salmonella	Negative/25g	USP <62>
Storage & Shelf Life		
Package	20kgs/carton or 25kgs/drum	
Shelf life	The shelf life for the product is 24 months from date of production. Use it as soon as possible once it is opened.	
Storage	Recommended to store this product in a dry area with less than 25°C and away from odorous material	