



Technical Data Sheet

TBIO Amino Acid 35

Physical Properties	Chemical Properties	AminoGram (+/- 5 %)		Heavy Metals (+/- 5 %)
Form: Liquid	Free Amino Acid : 35 %(w/w)	L-Met: 0.33 %	L-Asp: 3.52%	Cd: 2.0 ppm
Color: Black Brown	Amino Nitrogen : 5.6 %(w/w)	L-Ile: 1.25%	L-Thr: 2.24%	Zn: 2.5 ppm
Smell: Special Aromatic Smell	Ammonium Nitrogen : 2.5 %(w/w)	L-Leu: 1.17%	L-Ser: 5.67%	Cu: 2.0 ppm
Water Solubility at 20°C: Completely		L-Tyr: 0.25%	L-Glu: 4.79%	Hg: 0.5 ppm
pH (10% solution at 20 °C): 5.0		L-Phe: 2.06%	L-Gly: 4.14%	Ni: 1.0 ppm
		L-Lys: 0.86%	L-Ala: 1.92%	Pb: 3.5 ppm
		L-His: 0.66%	L-Cys: 0.12%	
		L-Arg: 1.73%	L-Val: 2.37%	
		L-Pro: 4.21 %	L-Trp: N/A	

General Information

TBIO Amino Acid 35 is a high concentration amino acid liquid processed by the new creative technology, it's obtained from the hydrolysed plant protein containing 17 free amino acids, perfect water solubility, quite stable chemical properties together with the average molecular weight is less than 1000.

This product is stable, safe, non-toxic, non-stimulant and easily deliquesce.

Packaging and storage

Available in 250ml, 500ml, 1Liter, 5Liter, 20Liter, 200Liter, 1000Liter net plastic bottle/drums.

To be stored in a dry, clean, dark, well ventilated, moisture proof place. When stored under normal conditions in original unopened containers, no change of its physical, chemical and biological properties will occur in a minimum of 2 years.

* **Caution:** Due to Product Natural Origin, we strongly recommend before to be used to run compatibility test with other ingredients that are going to be Mixed and / or Formulated. TBIO CROP SCIENCE, will not be liable under any circumstances, for their behavior in the above mentioned mixtures and / or formulations, or the consequences of using the Products.