



# Technical Data Sheet

## TBIO Hamino 100

Physical Properties	Chemical Properties	Elements	AminoGram (+/-5%)		Heavy Metals
Appearance: Black Brown Prill	Organic Matter: 80 %	Cu: 2.0 ppm	Asp: 0.21 %	Met: 0.10 %	Cd: 3.0 ppm
Smell: Mild Odor	Humic Acid Content: 20 - 25 %	Zn: 75.0 ppm	Thr: 0.04 %	Lieu: 0.08 %	Hg: 2.0 ppm
Water Solubility: Slow Release	Amino Acid Content: 10 – 15 %	B: 16.7 ppm	Ser: 0.03 %	Leu: 0.14 %	Ni: 10.0 ppm
pH (10% solution at 20 °C): 4.0 – 7.0	Nitrogen Content: 10 %	Ca: 0.22 %	Glu: 11.71 %	Tyr: 0.01 %	Pb: 0.4 ppm
Bulk Density: 0.88 g/cm <sup>3</sup>	Potassium (as K <sub>2</sub> O): 1 %		Pro: 0.01 %	Phe: 0.28 %	Cr: 12.0 ppm
Moisture: 5 %	Phosphorus (as P <sub>2</sub> O <sub>5</sub> ): 0.5 %		Gly: 0.16 %	Lys: 0.12 %	As: 0.01 ppm
CEC: 2.72 mmol/g	Sulfur Content: 11 %		Ala: 0.93 %	His: 0.02 %	
			Cys: 0.11 %	Arg: 0.13 %	
				Val: 0.24 %	

### General Information

TBIO Hamino 100 is wonderful combination of humic acid and amino acid; it provides wide span organic nutrient to plants, including rich content of organic nitrogen, humic acid, fulvic acid as well as abundant trace elements. It contains 1/3 immediately available nutrient and 2/3 slow release humus.

### Packaging and storage

Available in 100g, 500g, 1kg, 5kg, 10kg, 20Kg, 25kgs bag/carton box/drum or 900Kg FIBC bag.

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.