



Technical Data Sheet

TBIO Seamino Liquid

Physical Properties	Chemical Properties	AminoGram (+/- 5 %)		Elements (+/- 5 %)
Form: Liquid	Total Organic Matter: 110 – 120 g/L	Met: 0.2 g/L	Asp: 4.9 g/L	Mg: 0.45 g/L
Color: Black	Alginate Acid: 45 – 50 g/L	Ile: 0.7 g/L	Thr: 2.8 g/L	Ca: 3.35 g/L
Smell: Seaweed Odor	Total Amino Acid: 45 – 50 g/L	Leu: 0.7 g/L	Ser: 7.9 g/L	Cu: 0.05 g/L
Water Solubility: Completely	Total Potassium (as K ₂ O): 30 – 35 g/L	Tyr: 0.6 g/L	Glu: 6.5 g/L	Fe: 1.75 g/L
pH (10% solution at 20 °C): 8.0 – 10.0	Total Nitrogen: 55 – 60 g/L	Phe: 2.1 g/L	Gly: 6.6 g/L	Mn: 0.15 g/L
Specific Gravity: 1.16 g/cc	Phosphorus (as P ₂ O ₅): 20 – 30 g/L	Lys: 1.0 g/L	Ala: 3.3 g/L	B: 0.25 g/L
Stability: stable under light	Mannitol: 3.0 – 3.5 g/L	His: 0.5 g/L	Val: 2.4 g/L	Mo: 0.05 g/L
	Betaine: 1.8 – 2.0 g/L	Arg: 3.6 g/L	Cys: 0.3 g/L	Zn: 0.05 g/L
		Pro: 7.1 g/L	Trp: N/A	

General Information

TBIO Seamino is liquid with high Nitrogen content based on seaweed extracts. It helps buffer nutrients available in seaweed. In combination it provides trace elements, nutrients and essential hormones.

Packaging and storage

Available in 250ml, 500ml, 1 liter, 25 liter, 200 liter net plastic bottles / drums and 1000liter containers.

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.