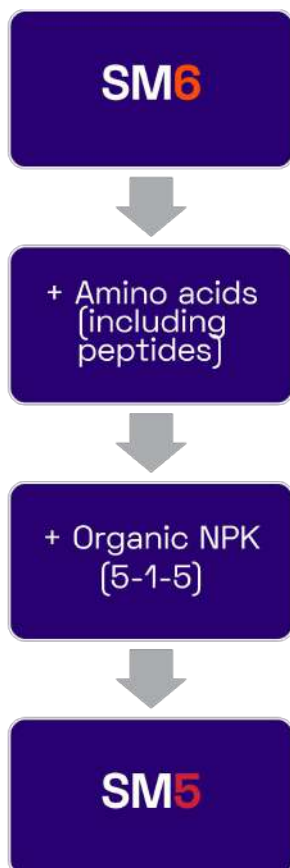


SM5 Data Sheet

Total organic matter - 17%
Seaweed concentrate - 8%
Amino acids - 7.8%
Organic NPK (5-1-5) - 3.4%

SM5 has been designed a fully fledged organic plant food, which is a perfect blend between our concentrated *Ascophyllum nodosum* seaweed extract, SM6, an organic amino acid and peptide range and an organic plant food (NPK).



- ✓ Abiotic stress relief
- ✓ Promote Root growth
- ✓ Plant Food
- ✓ Ensure efficient nutrient uptake



Algenic Acids

As part of overall plant carbohydrates, this water-soluble polymer feeds micronutrients and bonded sulphur to plants. It therefore assists with nutrient availability/ delivery.

Mannitol

Mannitol is a sugar-alcohol that has been widely shown to be an osmotic regulator in plants. Mannitol can act to protect and adjust cell-water status in abiotic stress and water-related stress issues. It is also involved in inorganic nutrient chelation and can act to improve nutrient availability similar to alginic acid.

Amino Acids and Peptides

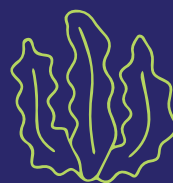
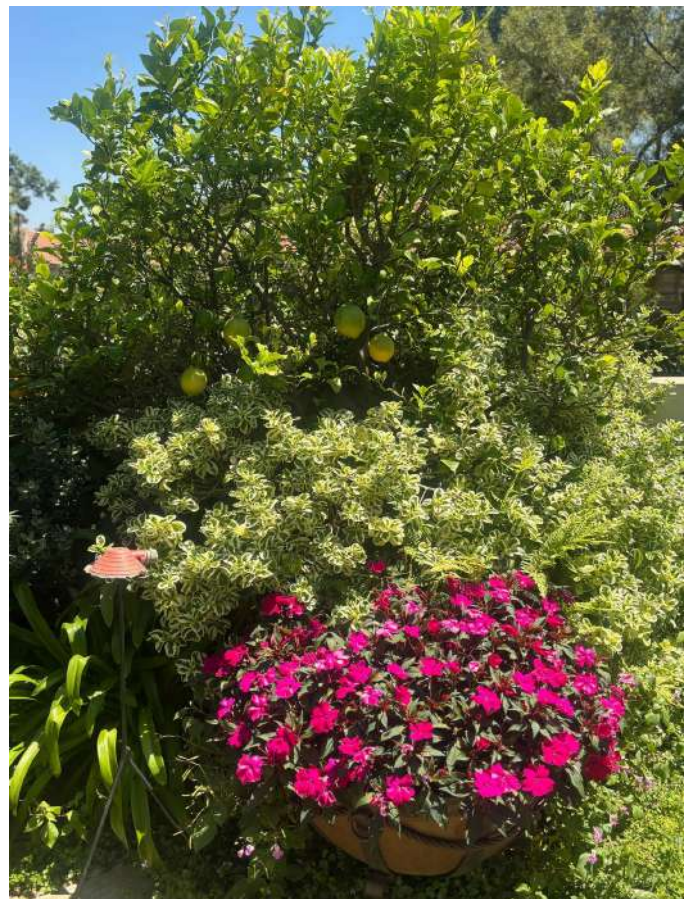
Amino acids and peptides are essential for forming proteins, enzymes, and hormones, promote cell growth, increase resistance to abiotic stress, and optimize nutrient uptake. Their inclusion ensures a direct and efficient boost to overall plant health and vitality.

NPK and other Macronutrients

The macronutrients nitrogen (N), phosphorous (P) and potassium (K) are fundamental to support both vegetative and generative growth, ensuring comprehensive plant development. This is further supported by the presence of calcium, magnesium, and sulphur contributing to robust and resilient plant life.

Micronutrients

Many micronutrients including iron, zinc, boron and manganese are present. They may be present as organically chelated forms, potentially making them more available to plants. They play a critical role in supporting healthy plant growth by aiding natural processes like cell structure formation, energy transfer and photosynthesis.





SM5 containing no less than 20% w/v soluble solids

SM5 is an organic product with the following typical analysis.

Bioactive Components

Organic Matter	17%
Soluble Solids	>20%
Amino Acids	>7.5%

Elemental Analysis

Nitrogen	1.6%
Phosphorus	0.22%
Potassium	1.7%
Sulphur	0.5%
Calcium	0.09%
Magnesium	0.13%



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