

Information

Technical Data - Chase SM6 Seaweed Extract Organic

**Aqueous extract of seaweed containing no less than
30% w/v soluble seaweed solids**

Production Method

Aqueous extraction uses relatively low temperatures and no chemicals to extract the active ingredients from a blend of seaweed varieties:

Ascophyllum nodosum

Laminaria sp.

Fucus serratus

Preservatives

Potassium sorbate

Sodium benzoate

pH

4.0 - 4.8 - ideal for plant uptake

Specific Gravity

1.125 - 1.165

Cytokynins/Betaines

Example betaine analysis*

Glycine betaine

196 mg/litre

Amino butyric acid betaine

109 mg/litre

Amino valeric acid betaine

35 mg/litre

*using H N M R spectroscopic method

Example betaine analysis using micro biological method+

Glycine betaine equivalent

400 mg/litre

+Le Rudelier and Valentine 1982

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Elemental Analysis

As this is an organic product with no added nutrients, it is not possible to quote a guaranteed analysis. However, a “typical” analysis for **SM6** is as follows:

Organic Matter	15%
Soluble Seaweed solids	>30%
Alginic Acid	5-10%
Mannitol	2-4%
Nitrogen	0.1-0.2%
Phosphorus	0.01%
Potassium	0.5-1.0%
Magnesium	100ppm
Manganese	50ppm
Iron	100ppm
Copper	8ppm
Zinc	5ppm