

Certificate of Analysis

Product Name: Seaweed Extract Black

Production Date	Batch No.	Test Date	Report Date	Expiration Date	Sample Qty	COA No.
Jan.22nd, 2025	GTK20250122-8	Jan.22nd, 2025	Jan.23rd, 2025	Jan.22nd, 2028	1kg	2025GTK0122

Analysis Report:

Item	Description	Unit	Spec.	Result
1	Appearance	/	Black Microparticle	Complies
2	Odor	/	Characteristic	Complies
3	Color Reaction	/	Positive Reaction	Complies
4	Alginic acid	%	≥18	18.3
5	PH Value	/	8~10	8.7
6	Water Soluble	%	100	Complies
7	Organic Matter	%	≥45	48
8	Moisture	%	≤3	2.7
9	N-P-K	%	1-2-18	Complies
10	Amino Acids	%	≥1.5	1.6
11	Sulphur(S)	%	≥1	1.25
12	Calcium(Ca)	%	0.15-0.2	0.18
13	Magnesium(Mg)	%	0.3-0.6	0.52
14	Iron(Fe)	%	0.1-0.4	0.31
15	Boron(B)	ppm	≥10	14.3
16	Cobalt(Co)	ppm	1~5	1.8
17	Iodine(I)	ppm	500-850	665
18	Manganese(Mn)	ppm	25-40	33
19	Cytokinin & Gibberellin	ppm	≥300	Complies
20	Copper(Cu)	ppm	≤ 20	11
21	Zinc(Zn)	ppm	≤ 100	33
22	Total Bacterial Count	cfu/g	≤1000	Complies
23	Yeast & Moulds	cfu/g	≤100	Complies
24	Escherichia Coli Presence	ppm	Negative	Complies
25	Salmonella	ppm	Negative	Complies

Final conclusion: The product complies with all the requirements.