

Analysis of algal growth- and morphogenesis-promoting factors in an integrated multi-trophic aquaculture system for farming *Ulva* spp.

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Table S1: Parameters of the inductively coupled plasma

RF power	1250 W
Plasma	15 l min ⁻¹
Nebulizer	1.02 l min ⁻¹
Sample uptake time	30 s
Rinse time	30 s
Uptake Speed	350 µl min ⁻¹

Table S2: Calibration data for metal analysis

Element	Method	Wavelength [nm]; Isotope	Slope [AAS: Abs l µg ⁻¹ ; ICP: CPS l µg ⁻¹]	Working Range [µg l ⁻¹]	Limit of Detection [µg l ⁻¹]
Fe	GF-AAS	248.327	0.021	0.4 - 5	0.049
Cu	GF-AAS	324.754	0.013	0.5 - 5	0.368
Mn	ICP-MS	⁵⁵ Mn	8.811	0.1 - 1	0.049
Ni	ICP-MS	⁶⁰ Ni	1.664	0.05 - 1.25	0.015
Mo	ICP-MS	⁹⁵ Mo	1.386	0.05 - 1.25	0.005
Cd	ICP-MS	¹¹¹ Cd	0.927	0.01 - 0.25	0.004
Pb	ICP-MS	²⁰⁸ Pb	5.738	0.01 - 0.25	0.007