

Supporting information

**Effect of Trace Elements in the Toxicity of Copper to
*Chlamydomonas reinhardtii***

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Table S1 TAP medium composition

Component	Concentration in final medium
H ₂ NC(CH ₂ OH) ₃	2.00 × 10 ⁻² M
NH ₄ Cl	7.00 × 10 ⁻³ M
MgSO ₄ ·7H ₂ O	8.30 × 10 ⁻⁴ M
CaCl ₂ ·2H ₂ O	4.50 × 10 ⁻⁴ M
K ₂ HPO ₄	1.65 × 10 ⁻³ M
KH ₂ PO ₄	1.05 × 10 ⁻³ M
Na ₂ EDTA·2H ₂ O	1.34 × 10 ⁻⁴ M
ZnSO ₄ ·7H ₂ O	1.36 × 10 ⁻⁶ M
H ₃ BO ₃	1.84 × 10 ⁻⁴ M
MnCl ₂ ·4H ₂ O	4.00 × 10 ⁻⁵ M
FeSO ₄ ·7H ₂ O	3.29 × 10 ⁻⁵ M
CoCl ₂ ·6H ₂ O	1.23 × 10 ⁻⁵ M
CuSO ₄ ·5H ₂ O	1.00 × 10 ⁻⁵ M
(NH ₄) ₆ Mo ₇ O ₂₄ ·4H ₂ O	9.28 × 10 ⁻⁷ M
CH ₃ COOH	1 mL/L

Table S2 Concentrations of trace elements in the control without algae group

Control without algae	Concentration (μM)
Cu	10.062 ± 0.4147
Fe	32.857 ± 0.5463
Zn	135.974 ± 0.8122
Mn	40.025 ± 0.4574