

**Table S1:** Zarrouk (1966) medium composition.

Components	Concentration
NaHCO <sub>3</sub>	16,8 mg.L <sup>-1</sup>
K <sub>2</sub> HPO <sub>4</sub>	0,5 mg.L <sup>-1</sup>
NaNO <sub>3</sub>	2,5 mg.L <sup>-1</sup>
K <sub>2</sub> SO <sub>4</sub>	1,0 mg.L <sup>-1</sup>
NaCl	1,0 mg.L <sup>-1</sup>
MgSO <sub>4</sub> .7H <sub>2</sub> O	0,2 mg.L <sup>-1</sup>
CaCl <sub>2</sub> .2H <sub>2</sub> O	0,04 mg.L <sup>-1</sup>
FeSO <sub>4</sub> .7H <sub>2</sub> O	0,01 mg.L <sup>-1</sup>
Ethylenediaminetetraacetic acid (EDTA)	0,08 mg.L <sup>-1</sup>
Trace metals (H <sub>3</sub> BO <sub>3</sub> , MnCl <sub>2</sub> .4H <sub>2</sub> O, ZnSO <sub>4</sub> .4H <sub>2</sub> O, Na <sub>2</sub> MoO <sub>4</sub> , CuSO <sub>4</sub> .5H <sub>2</sub> O)	1 mg.L <sup>-1</sup>
Thiamine (B1)	1 mg.L <sup>-1</sup>
Cyanocobalamin (B12)	1 mg.L <sup>-1</sup>
Biotin (B7)	1 mg.L <sup>-1</sup>

**Figure S1.** DNS solution calibration curve for acid-labile carbohydrates concentration in *Spirulina maxima*