

Supporting Information. Subcritical water treatment for valorization of the red algae residue after agar extraction. Scale-up from laboratory to pilot plant.

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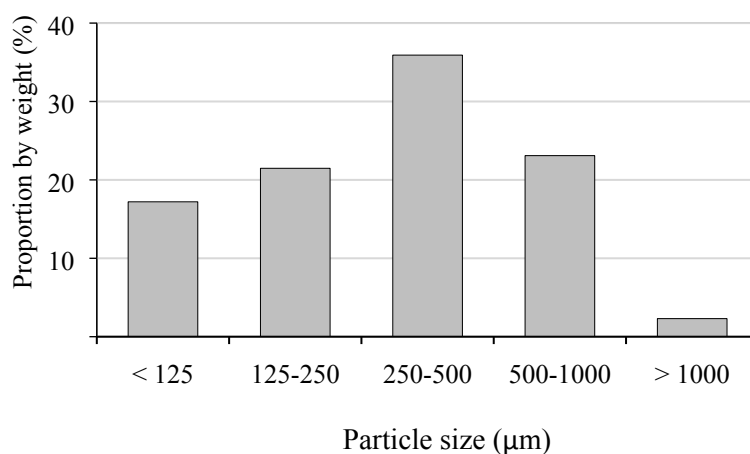
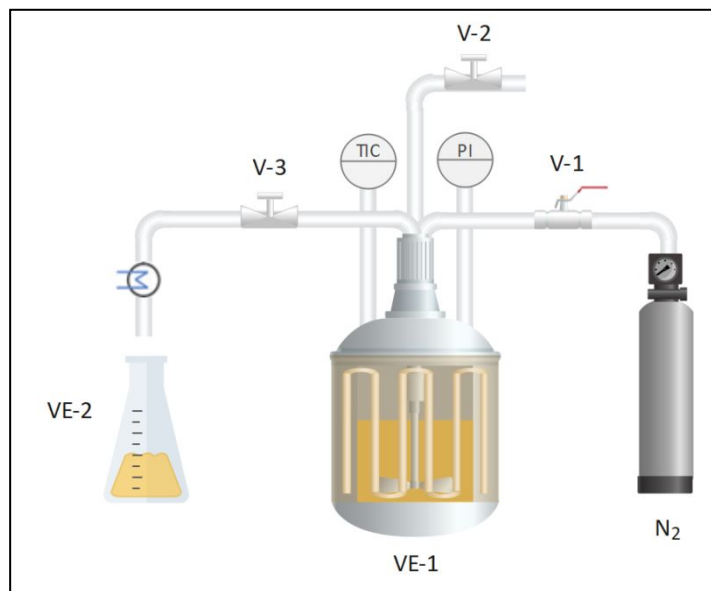


Figure S1. Particle-size distribution from dried macroalga residue (DMR).

(a)



(b)

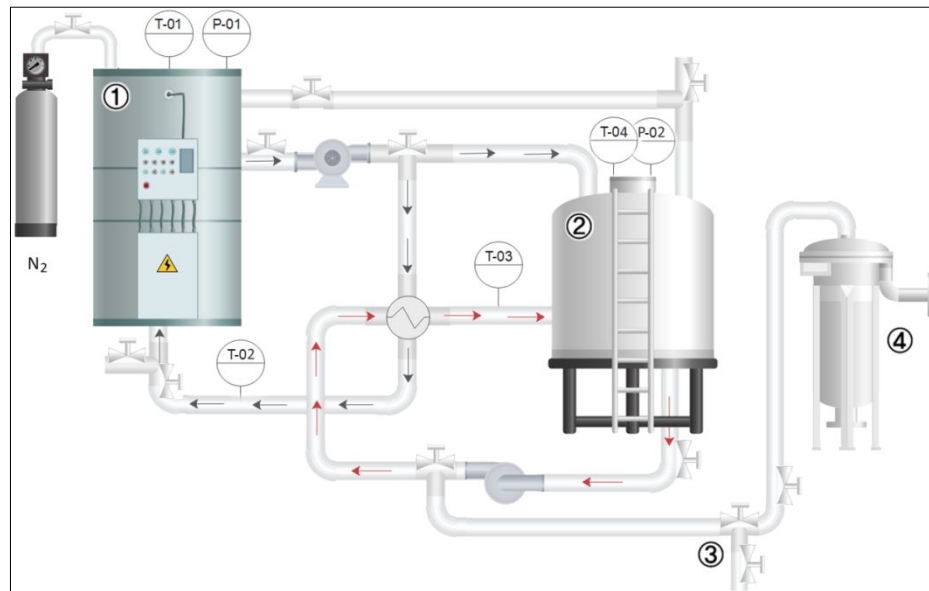


Figure S2. (a) Scheme of the lab-scale SW equipment. VE-1: reactor (0.5 L); VE-2: sample collector; V-1: pressurization valve; V-2: pressure relief valve; V-3: needle valve. (b) Diagram of the pilot-scale subcritical water plant designed and built at Hiperbaric's facilities. 1: steam boiler preheater and water tank; 2: reactor (25 L); 3: liquid extracts collector; 4: filtration tank.

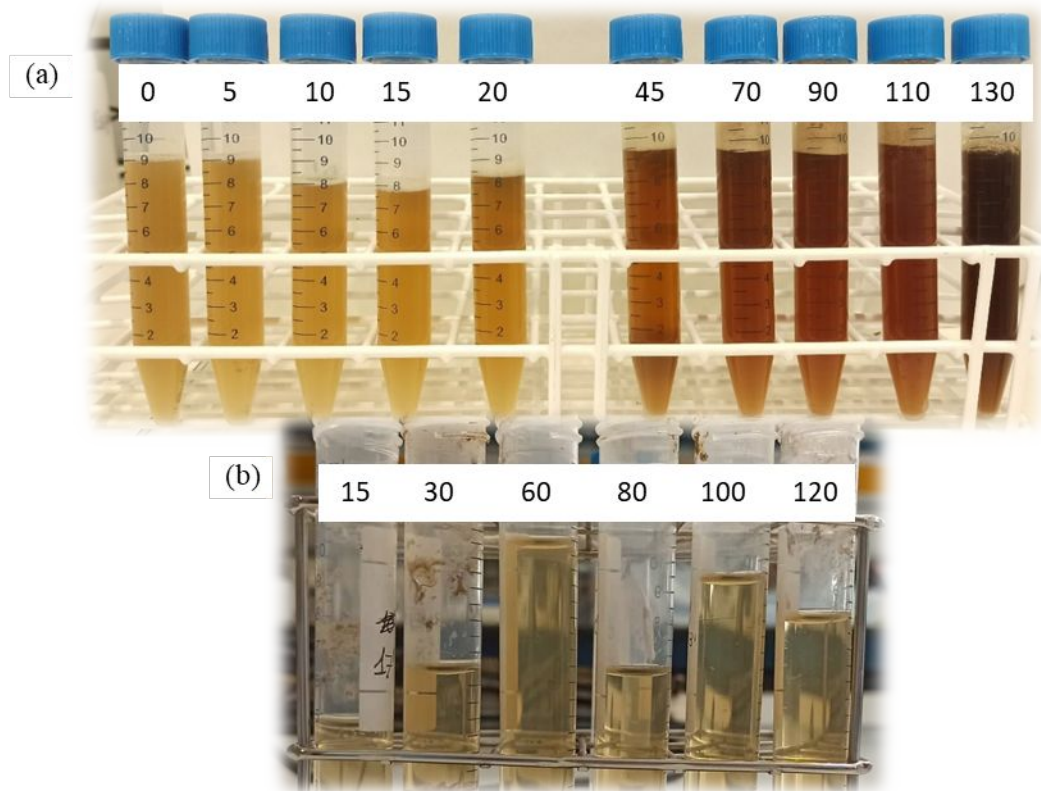


Figure S3. Liquid extracts collected at the different time intervals from DMR_{<500} after subcritical water treatment at lab-scale at 175 °C (a) and 130 °C (b) for colour observation. (Numbers above the tubes indicate the minute at which they were collected).