

Supplementary Materials

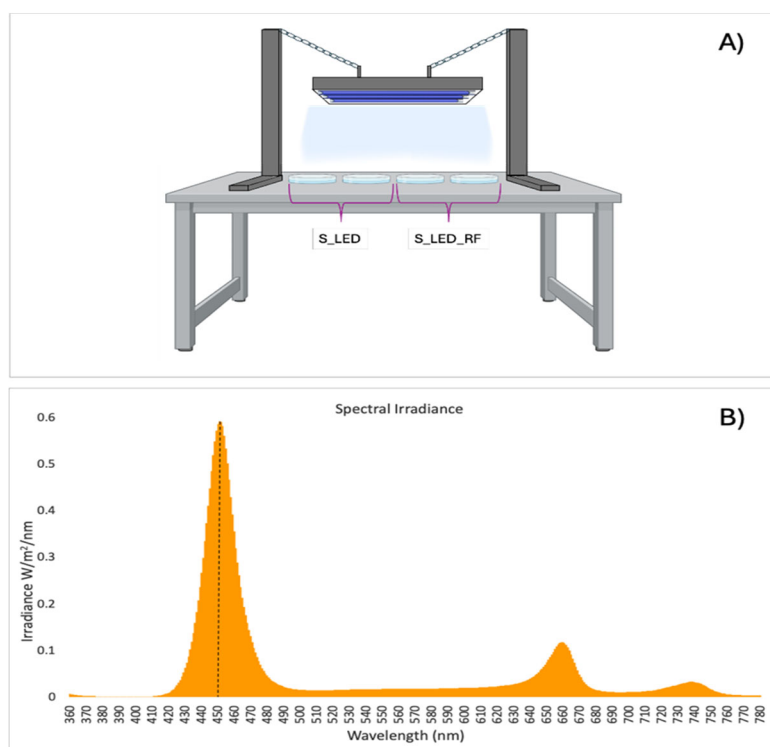


Figure S1. Equipment for exposing NaCas solutions to LED light (A), and spectral irradiance of the LED light lamp used in the experiment (B).

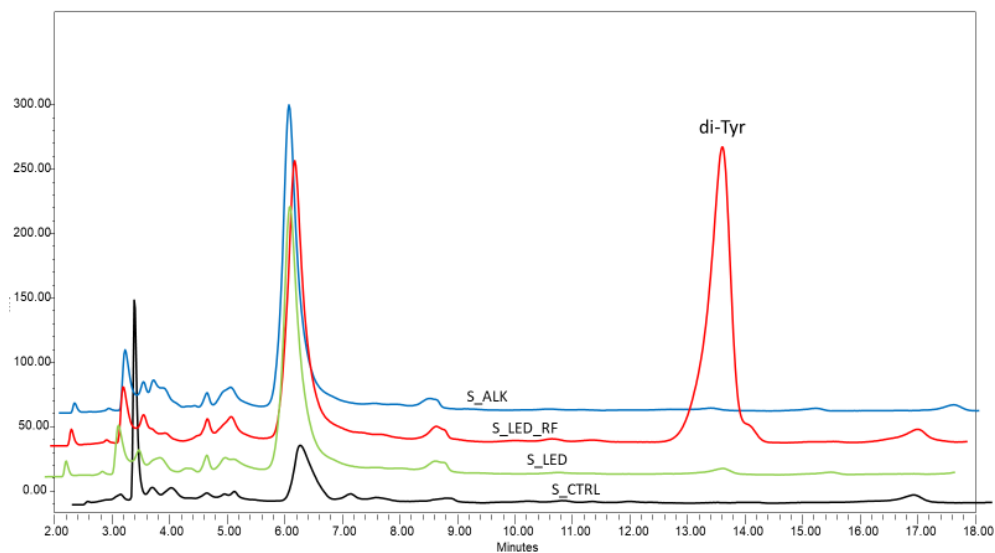


Figure S2. HPLC chromatograms used for di-Tyr determination. S_CTRL: control solution (non-functionalized); S_LED: NaCas solution exposed to LED light; S_LED_RF: NaCas solution exposed to LED light in presence of riboflavin; S_ALK: NaCas solution heat-treated under alkaline conditions.

Table S1. Gross composition (g/100 g) of the prepared NaCas powder.

Protein	Fat	Moisture	Ash
69.34 ± 0.70	23.42 ± 0.03	3.65 ± 0.10	3.46 ± 0.09

Table S2. Densitometric analysis of the monomeric casein bands in Figure 2.

Sample	Band volume (arbitrary units)	Relative band volume (%)
Casein	2990	100.0
S_CTRL	2254	75.4
S_LED	2022	67.6
S_LED_RF	2076	69.4
S_ALK	1377	46.1