



Fig. S1. Cell growth of: a) *Chlorella sp. SM1* and b) *Nannochloropsis gaditana L2* cultivated in four culture media (algal (dot), BG-11 (square), f/2 (triangle) and Conway (lozenge))



Fig. S2. Impact of microalgal biomass pigments and mass fraction on the appearance of fresh ricotta: (1) control, (2) 0.2 % *Chlorella sp. SM1*, (3) 1 % *Chlorella sp. SM1*, (4) 1.5 % *Chlorella sp. SM1*, (5) 1.5 % commercial *Arthrospira platensis*, and (6) mixture of 1.5 % *Chlorella sp. SM1* and 1.5 % *Spirulina platensis*

Table S1. Chemical composition of algal, BG-11, f/2 and Conway culture media

Medium component	γ/(g/L)			
	Algal	BG-11	f/2	Conway
Macronutrient				
NO ³⁻	9.9·10 ⁻¹	1	5.5·10 ⁻²	7.4·10 ⁻²
PO ₄ ³⁻	8.5·10 ⁻²	1.7·10 ⁻²	3.4·10 ⁻³	1.6·10 ⁻²
Micronutrient				
Fe ²⁺	7.8·10 ⁻⁴	6.5·10 ⁻⁵	2.5·10 ⁻⁴	1.9·10 ⁻⁴
Cu ²⁺	7.2·10 ⁻⁵	2·10 ⁻⁵	2.5·10 ⁻³	5.1·10 ⁻⁶
Co ²⁺	6.3·10 ⁻⁵	1.2·10 ⁻⁵	2.5·10 ⁻³	5·10 ⁻⁶
Zn ²⁺	2.3·10 ⁻⁴	5·10 ⁻⁵	5·10 ⁻³	1·10 ⁻⁵
SO ₄ ²⁻	3.6·10 ⁻²	2.9·10 ⁻²	1.9·10 ⁻³	–
Mn ²⁺	4.4·10 ⁻⁴	5·10 ⁻⁴	5·10 ⁻²	1.6·10 ⁻⁴
Mo ⁶⁺	4.8·10 ⁻⁴	1.7·10 ⁻⁴	2.5·10 ⁻³	7·10 ⁻⁷
EDTA	8·10 ⁻³	8·10 ⁻²	3.4·10 ⁻³	3.9·10 ⁻²
B ³⁺	–	5.1·10 ⁻⁴	–	5.9·10 ⁻³
Mg ²⁺	–	7.4·10 ⁻³	–	–
Vitamin				
B1	3.9·10 ⁻⁴	–	10 ⁻³	2·10 ⁻⁴
B8	2·10 ⁻⁵	–	–	–
B12	1.4·10 ⁻⁵	–	5·10 ⁻⁵	10 ⁻⁵

Table S2. IC₅₀ values of methanolic extracts of *Chlorella sp. SM1* and *Nannochloropsis gaditana L2* cultivated in four culture media

Medium	IC ₅₀ /(mg/L)	
	<i>Chlorella sp. SM1</i>	<i>Nannochloropsis gaditana L2</i>
Algal	(1.4±0.2) ^a	(4.26±0.02) ^a
BG-11	(1.97±0.07) ^a	(4.30±0.01) ^a
f/2	(1.2±0.3) ^b	(2.5±0.3) ^b
Conway	(1.61±0.00) ^a	(4.49±0.05) ^a
BHT	0.56±0.00	

BHT=butylated hydroxytoluene (control). Results are expressed as mean value±standard deviation (N=3)