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The invention relates to biotechnology, in particular to a process for extraction of phycocyanin from *Spirulina platensis* alga biomass for use as a colorant with antioxidant properties.

The process, according to the invention, includes: demineralization of biomass, suspension in distilled water, destruction of cells by double freezing-unfreezing, extraction of suspension by mixing with 10...20% alcohol solution, containing CaCl<sub>2</sub> in a concentration of 5...10 g/l and separation of the extract by centrifugation.

Claims: 1