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The invention relates to biotechnology, particularly to a process for producing the myxoxanthophyll carotenoid pigment from *Spirulina platensis* biomass for use in the food industry or medicine.

According to the invention, the process consists in that it is carried out re-extraction of myxoxanthophyll from the biomass with 70...96% water-ethanol solution with separation of biomass by centrifugation and unification of produced extracts, to which is added 40% potassium hydroxide in a ratio of 3:1 to the amount of the extracted biomass, is maintained for 4...6 hours and is added hexane, afterwards by decantation is separated the myxoxanthophyll-containing ethyl fraction, which is diluted with water to the ethyl alcohol concentration of 45...50%, is centrifuged at 6000 rev/min, and the resulting crystals are washed with 45...50% ethanol solution and dried.

Claims: 1