a 2007 0200

The invention relates to a new chemical compound as ferrum content regulator in the cultivation of *Spirulina platensis* biomass used in medicine and food industry.
A chemical compound is claimed, namely heptaazotate of hexa-(μ-β-alanine-(O,O'))-μ_3-oxo-tri(aqua)triferrum(III) 3,5-hydrate as ferrum content regulator in the cultivation of *Spirulina platensis* cyanobacterium biomass.
A process for *Spirulina platensis* biomass obtaining is also claimed, including preparation of the nutrient medium containing, g/l: $NaHCO_3$ – 16,8; $K_2HPO_4 \cdot 3H_2O$ – 1,0; $NaNO_3$ – 2,5; NaCl – 1,0; K_2SO_4 – 1,0; $CaCl_2 \cdot 6H_2O$ – 0,04; $MgSO_4 \cdot 7H_2O$ – 0,20; H_3BO_3 – 0,00286; $MnCl_2 \cdot 4H_2O$ – 0,00181; $ZnSO_4 \cdot 7H_2O$ – 0,00022; $CuSO_4 \cdot 5H_2O$ – 0,00008; MoO_3 – 0,000015 and water – the rest. For inoculation is used 0,4 g/l suspension of *Spirulina platensis* and it is cultivated during 6 days at the temperature of 30…35ºC, with an illumination of 3000…4800 lx and medium pH 9,5…10,0. Into the nutrient medium there is additionally added heptaazotate of hexa-(μ-β-alanine-(O,O'))-μ_3-oxo-tri (aqua)triferrum(III) 3,5-hydrate 0,04…0,05 g/l, batchwisely, in the first four days of cultivation.

Claims: 2
Fig.: 1