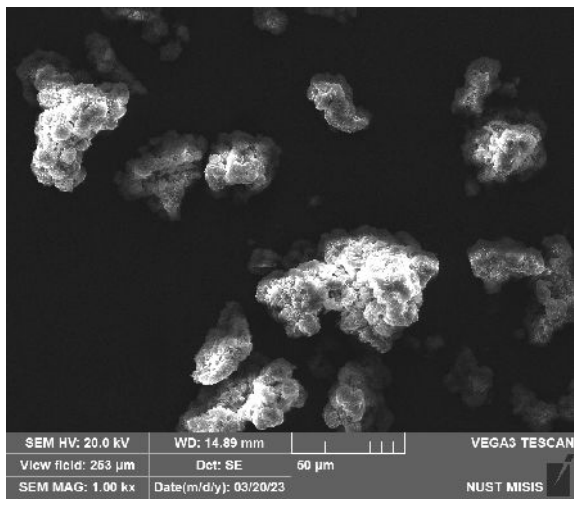
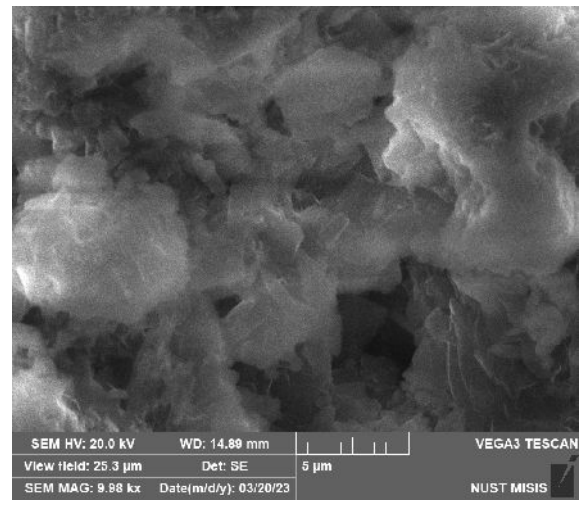


7 0,15–0,24
 -12 (,) 175 °
 5 20° (). 7 20 .%.
 (Olympus
 BX3M-PSLED,) (,) (Tescan
 Vega 3,)(20 ,).
 (Color i5, X-Rite Incorporated,) 360-750
 ISO/CIE 11664-1:2019(E) ISO/CIE 11664-4:2019(E).
 (,)
 (Mettler Toledo TGA/DSC3+,) +25...+400 °
 10 ./ (100,0 /).
 9.048-89
Trichoderma viride (1-2 / ³)
 10 28 .
 (, , « . ») /
 50/50 .%.
 (,) Lumos
 Bruker () (-
 (ATR platinum Diamond)) (-
). Bruker OPUS.
 , ,
 94–97) (WISO 72,8),
 , ,
 10-30 (. 1).
 , .



. 1. ()



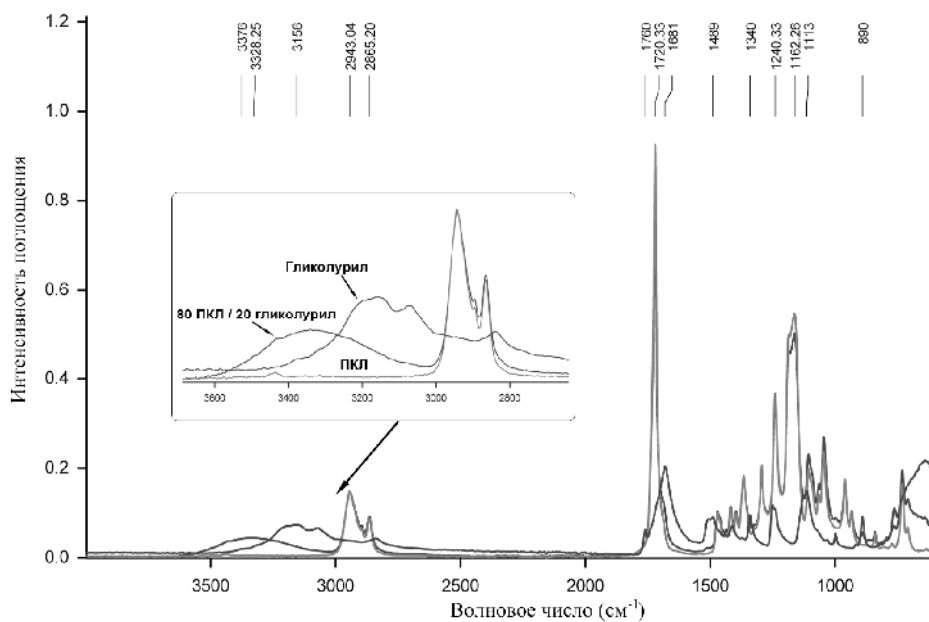
() 1000× () 10000× ()

(270 °),

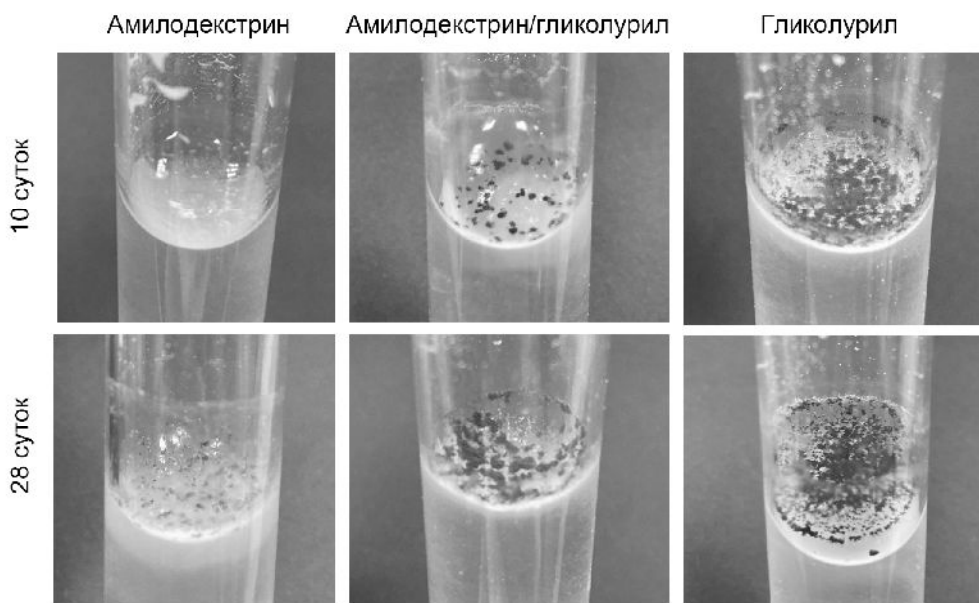
(O) (N-H)

3000–3500 ⁻¹ (. 2).

(. 3).



. 2. - () , 80 / 20 (. %)



. 3. *T. viride*

28

0,4 . %

Trichoderma viride

1,5–2 () 0,2 . %,

(), () () / ,

(-3573.2022.1.3, « »).

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