

FUCUS VESICULOSUS L.

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STUDY OF MACRO- AND MICROSCOPIC SIGNS OF THALLI OF FUCUS VESICULOSUS L.

**Key words:** fucus, microscopic study, anatomic structure

The study of macro- and microscopic signs of thalli of fucus was conducted. The dried and powdered raw material was used for researches. The basic diagnostic signs of raw material were set. Obtained results were used in creation of Ukrainian normative documentation on raw material.

613.322:582.795:581.145.1:613.014.24

[1, 3, 5, 6-9].

90° , 50%

1:10.

( 1 3 )  
(30, 60, 90,

120 180 ).

( )

[10-12].

( )

[2].

[4].

( )

24,86% (540 ), : 22,49% (180 )  
1,1 ,

( ) , 1,5 : 5,06% (180 ) 7,55%  
(360 ). /4

2008 /3 ( . . )

( =5)

90° ,

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1:10

/		, %									
		30		60		90		120		180	
1		13,49+0,87	3,18+0,21	9,02+0,59	1,94+0,12	14,55+0,70	2,80+0,17	14,54+0,73	4,28+0,28	15,57+0,70	4,37+0,20
2		5,70+0,40	1,38+0,09	8,01+0,54	1,77+0,12	8,33+0,48	1,84+0,12	5,81+0,38	2,20+0,14	5,02+0,30	1,44+0,08
3		3,70+0,22	1,00+0,07	4,80+0,33	1,35+0,09	4,30+0,23	1,11+0,07	3,30+0,23	1,01+0,07	3,07+0,19	0,87+0,05
4	Cy!a	<b>22,95</b>	<b>5,56</b>	<b>22,49</b>	<b>5,06</b>	<b>27,18</b>	<b>5,75</b>	<b>23,71</b>	<b>7,55</b>	<b>24,86</b>	<b>6,68</b>

360 , : — 120 , - **1:10**,  
 3  
 23,71%,  
 7,55%,  
 3,  
 120 .  
 3.  
**23,71%**  
 — 7,55%,

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50% 120 50% 1:10, 3, 90°  
- 7,55% 23,71%

50% 3, 90° 120 1:10,  
23,71% - 7,55%

M.V. Ischenko

**ELABORATION OF OPTIMAL TECHNOLOGY OF RECEIVING SUBSTANCES  
FROM TILIA CORDATA AND TILIA PLATYPHYLLOS FLOWERS**

**Key words:** flowers, *Tilia cordata*, *Tilia platyphyllos*, technological parameters, substance, optimal extragent, optimum temperature condition, extractive substances

The optimal technology for getting substances from *Tilia cordata* and *Tilia platyphyllos* flowers was elaborated according to fractional maceration. The content of extractive compounds was 23,71% and sum of oxidative phenols - 7,55%, converting to the dry substance, under using condition: extragent - 50% aqueous ethanol, temperature - 90° , correlation raw material - extragent - 1:10, response ratio of discharge - 3, time of extraction of each period -120 min.

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