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: 615.1:615.07:615.322

A.A. Tsurkan, T.V. Kovalchuk, A.V. Gergel

ALBA L.)  
NIGRA L.)

THE STUDY AMINOACIDS COMPOSITION  
 LEAVES AND BARK OF MULBERRY WHITE (MORUS  
 ALBA L.) AND MULBERRY BLACK (MORUS NIGRA  
 L.)  
 (MORUS ALBA L.) AND MULBERRY BLACK (MORUS NIGRA L.)

**Key words:** mulberry white, mulberry  
 - black, aminoacids, quality contain,  
 , quantitative determination

With the use of method of high  
 performance liquid chromatography  
 - certainly amino (acid composition of  
 - bark and leaves of mulberry white and  
 mulberry It was determined that  
 - investigate material contain no less  
 17 than 17 aminoacids, amor them the  
 - valine, isoleucine, leucine, lysine,  
 metionine and phenylalanine belong to  
 . irreplaceable.

: 615.32:582.71:577.127.4:543.42.062

• . . . . 1, . . . . .  
 . . . . . 1, . . . . .  
 B.C. . . . . 1, . . . . .  
 Bb. . . . . 2, . . . . . TOB « « »  
 • 1  
 2 « « H C», . . . . .

(L.) Maxim.) (Filipendula ulmaria Rosaceae -

[1,6].

200 , -  
 50 50 %  
 0,01 . -  
 [6]. -  
 1 , -  
 [2]. - 50% . -  
 20 . 1 -  
 [6,7,8]. 10 50% , 2 2% 25 , -  
 , 10 2 5% -  
 30 50% -  
 -46 -  
 [1]. 407 10 .  
 M , 3 , 1 -  
 (Filipendula ulmaria (L.) Maxim.) 50 %  
 25 . -  
 1 0,05% ( ) -  
 [4,5]. -  
 2 [3]. ( ) (X)  
 1,0 ( ) :  
 2 , -  

$$m_Q * 50 * 1 * 25 * 100 * 100 \quad * \gg \quad * 10000$$

$$o * * 100 * 3 * 25 * (100 - ) \quad o * * 6 * (100 - )$$
 ;  
 ;  
 ;  
 W-  
 85  $\frac{96 \%}{1}$  100 0,05 ( ) , -

**(Filipendula ulmaria (L.) Maxim.)**

3,8 7±0,084% .

( )

1. *Filipendula ulmaria (L.) Maxim.*

*Filipendula ulmaria (L.) Maxim.* / . .

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3. " /

2. . .

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29.01.2010

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.. , .. , .. - N.Ye. Burda, I.O. Zhuravel, V.S. Kyslychenko, V.B. Demiokhin

**THE QUANTITATIVE ANALYSIS OF FLAVONOIDS IN MEADOWSWEET HERB**

**Key words:** herb, Meadowsweet, flavonoids, spectrophotometric method

(Filipendula ulmaria (L.) Maxim.).  
 3,867+0,084 %.

With the help a spectrophotometric method was conducted quantitative analysis of flavonoids in Meadowsweet herb (Filipendula ulmaria (L.) Maxim.).Quantity of flavonoids in Meadowsweet herb was 3,867+0,084 %.

: 615.322:617.7

• .. B , .. , .. C  
 C.B. , .. , .. C

• , ..

[4, 5].

( ).  
 314  
 , 45  
 ( )