

: 27.02.2018.

33/4-6.1. 31.01.2018.

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1.

, 231 , 61 , 46 a

345

(. 4-66), 3. (. 67-68), 4. (. 1-3), 2. (. 69-92), 5.
 (. 93-164), 6. (. 165-170), 7. (. 171-
 204) (. 205-215). ,

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2.

3.

4.

(WTW inoLab)
Gramma libero),

AUSTRIA). Alcolyzer Beer ME Analyzing System-a (Anton Paar GmbH - pH

(Lee et al., 2005; Jakobek et al., 2007).

(Zhishen et al., 1999),

Folin-Ciocalteu ,

(Singleton i sar., 1999; Fu i sar., 2011).

DPPH (Blois, 1958; Brand-Williams et al., 1995; Sanchez-
Moreno, 2002; or evi , 2008) FRAP . DPPH
Trolox IC50 . FRAP (Ferric Reducing Antioxidant Power)

(Fu et al., 2011).

(LC/MS

).

,
(ANOVA),
y's HSD .

SPSS . 20.

5.

61% - 94%,

2,87 3,46,
8,5% 18,5%.

(II)

3456,67 mg CGE/l.

3927,50 mg QU /l,

6397,13 mg GAE/l.

DPPH 3,74 45,22 mmol TE/l (Trolox
) 49,33 4,13 µl/ml (IC50),
 FRAP 17,00 118,89 mmol Fe (II)/l.

FRAP 17,00 118,89 mmol Fe (II)/l.

LC/MS

(III)

III

)

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1

(2-4,5

23,30 52,61 mmol Fe (II)/l (FRAP)
7,58 22,43 mmol TE/l, IC50

). DPPH
37,43 7,50 µl/ml,

, FRAP DPPD (Trolox) ($=0,921$), , ,

0,6%.

KD1 980,40 mg/l, KD2 1800,72 mg/l, i KD3 1182,32 mg/l.

, 94%

6.

, , : , , ,
, . 8,5 18,5%, pH
2,27 3,46.

(II)), (I) .

mg CGE/l,) (3456,67 mg CGE/l 3200,62
 6379,51 mg GAE/l,), (6397,13 mg GAE/l
). (3927,50 mg QUE/l 3285,83 mg QUE/l,

23,30 52,61 mmol Fe (II)/l (FRAP)). DPPH
 7,58 22,43 mmol TE/l, IC50 37,43 7,50 μ l/ml.

FRAP DPPH (Trolox)

=0,921.

,
mg/l, KD2 1800,72 mg/l, i KD3 1182,32 mg/l,
p-

, KD1 980,40

, , 94%

7. : 345

: (LC/MS)

3.

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1.

, 2.

3.

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(:) ,

SCI :

Petrovi , T., Dimitrijevi , S., Radulovi , Z., Mirkovi , N., **Raji , J.**, Obradovi , D., Nedovi , V. 2012. Comparative analysis of the potential probiotic abilities of Lactobacilli of human origins and from fermented vegetables. Archive of Biological Science 64(4): 1473-1480.