

# Napetost površine

<b>Studenti:</b>	<b>Oznaka podataka</b>
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0125166954	<b>3</b>
0125167028	<b>4</b>
0178110617	<b>5</b>
0125161199	<b>6</b>
0125167145	<b>7</b>
0125164671	<b>8</b>
0125167054	<b>9</b>
0125163931	<b>10</b>
0125164741	<b>11</b>
0125164832	<b>12</b>
0125164400	<b>13</b>
0125166863	<b>14</b>
0125164736	<b>15</b>
0125164895	<b>16</b>
0125167278	<b>17</b>
0125164421	<b>18</b>
0125164458	<b>19</b>
0125164603	<b>20</b>
0125164799	<b>21</b>
0125164715	<b>22</b>
0125162219	<b>23</b>
0125164512	<b>24</b>
0125164645	<b>25</b>
0125167262	<b>26</b>
0125166980	<b>27</b>
0125164624	<b>28</b>
0125162016	<b>29</b>
0016115339	<b>30</b>
0125166879	<b>31</b>
0125167353	<b>32</b>
0125164762	<b>33</b>
0125167012	<b>34</b>
0125161958	<b>35</b>
0125164692	<b>36</b>

# 1

## Metoda stalagmometra

$\varphi((\text{CH}_3)_2\text{CO}) / \%$	1 kap podioka	$b$	$\pm$ podioka
5,0	16	40	-1
20,0	15	54	+1
40,0	14	61	0
55,0	13	67	+1
70,0	12	70	+1
H <sub>2</sub> O	15	32	-1

## Metoda mjerenja težine kapi

$\varphi((\text{CH}_3)_2\text{CO}) / \%$	$b$	$m_2/g$
5,0	45	19,76
20,0	15	19,51
40,0	15	19,34
55,0	15	19,28
70,0	15	19,22

$$m_1/g = 18,89$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 24,0$$

$$t_2/^\circ\text{C} = 24,5$$

NAPOMENA: posudica je nakon svakog mjerenja pražnjena

# 2

## Metoda stalagmometra

$w(\text{KCl}) / \%$	1 kap podioka	$b$	$\pm$ podioka
5	14	30	+1
8	16	30	-1
10	18	30	+2
15	20	31	+4
20	22	31	+4
H <sub>2</sub> O	16	30	+4

## Metoda mjerenja težine kapi

$w(\text{KCl}) / \%$	$b$	$m_2/g$
5	16	11,83
8	13	11,53
10	15	11,74
15	16	11,84
20	16	11,87

$$m_1/g = 10,50$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 24,0$$

$$t_2/^\circ\text{C} = 26,0$$

NAPOMENA: posudica je nakon svakog mjerenja pražnjena

## 3

Metoda stalagmometra

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	1 kap podioka	<i>b</i>	± podioka
5,0	18	35	+1
20,0	16	43	+1
40,0	13	54	+2
55,0	12	57	+2
70,0	11	60	+3
H <sub>2</sub> O	22	28	+1

Metoda mjerenja težine kapi

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	<i>b</i>	<i>m</i> <sub>2</sub> /g
5,0	15	19,98
20,0	15	20,68
40,0	15	21,21
55,0	15	21,63
70,0	15	22,00

$$m_1/g = 19,14$$

$$t_1/^{\circ}\text{C} = 25,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^{\circ}\text{C} = 25,0$$

## 4

Metoda stalagmometra

$\varphi$ (C <sub>2</sub> H <sub>5</sub> OH) / %	1 kap podioka	<i>b</i>	± podioka
7,3	11	35	+3
17,3	10	42	+1
37,3	9	51	-1
47,3	8	55	0
67,3	7	61	0
H <sub>2</sub> O	15	26	+3

Metoda mjerenja težine kapi

$\varphi$ (C <sub>2</sub> H <sub>5</sub> OH) / %	<i>b</i>	<i>m</i> <sub>2</sub> /g
7,3	15	16,05
17,3	15	16,80
37,3	15	17,35
47,3	15	17,90
67,3	15	18,32

$$m_1/g = 15,20$$

$$t_1/^{\circ}\text{C} = 23,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^{\circ}\text{C} = 23,0$$

## 5

Metoda stalagmometra

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	1 kap podioka	<i>b</i>	± podioka
5,0	9	31	+4
20,0	8	46	+3
37,0	10	59	+4
55,0	10	65	+5
70,0	9	67	+4
H <sub>2</sub> O	19	27	+2

Metoda mjerenja težine kapi

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	<i>b</i>	<i>m</i> <sub>2</sub> /g
5,0	20	20,0
20,0	20	19,69
37,0	20	19,51
55,0	20	19,41
70,0	20	19,40

$$m_1/g = 18,87$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 24,0$$

$$t_2/^\circ\text{C} = 24,0$$

NAPOMENA: posudica je nakon svakog mjerenja praznjena

## 6

Metoda stalagmometra

$\gamma$ (detergent) / g dm <sup>-3</sup>	1 kap podioka	<i>b</i>	± podioka
0,5	7	31	-1
0,9	6	42	-2
1,2	10	43	-1
1,7	9	50	0
2,0	9	52	-2
H <sub>2</sub> O	19	27	+10

Metoda mjerenja težine kapi

$\gamma$ (detergent) / g dm <sup>-3</sup>	<i>b</i>	<i>m</i> <sub>2</sub> /g
0,5	10	19,42
0,9	15	20,18
1,2	15	20,81
1,7	20	21,59
2,0	15	22,12

$$m_1/g = 18,91$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 25,0$$

$$t_2/^\circ\text{C} = 25,0$$

7

Metoda stalagmometra

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	1 kap podioka	<i>b</i>	± podioka
5,0	9	31	+4
20,0	8	46	+3
37,0	10	59	+4
55,0	10	65	+5
70,0	9	67	+4
H <sub>2</sub> O	19	27	+2

Metoda mjerenja težine kapi

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	<i>b</i>	<i>m</i> <sub>2</sub> /g
5,0	20	20,0
20,0	20	19,69
37,0	20	19,51
55,0	20	19,41
70,0	20	19,40

$$m_1/g = 18,87$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 24,0$$

$$t_2/^\circ\text{C} = 24,0$$

NAPOMENA: posudica je nakon svakog mjerenja praznjena

8

Metoda stalagmometra

$\varphi$ (CH <sub>3</sub> COOH) / %	1 kap podioka	<i>b</i>	± podioka
5,0	17	34	+1
15,0	16	36	+1
30,0	13	41	0
40,0	12	45	-1
65,0	11	52	0
H <sub>2</sub> O	21	24	-1

Metoda mjerenja težine kapi

$\varphi$ (CH <sub>3</sub> COOH) / %	<i>b</i>	<i>m</i> <sub>2</sub> /g
5,0	15	19,75
15,0	15	19,66
30,0	15	19,55
40,0	15	19,54
65,0	15	19,35

$$m_1/g = 18,87$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 25,0$$

$$t_2/^\circ\text{C} = 25,0$$

NAPOMENA: posudica je nakon svakog mjerenja praznjena

## 9

Metoda stalagmometra

$\gamma$ (detergent) / $\text{gdm}^{-3}$	1 kap podioka	$b$	$\pm$ podioka
0,5	13	37	+6
0,7	15	40	+2
1,2	18	45	0
1,6	13	51	+2
1,85	11	53	+1
H <sub>2</sub> O	19	28	-2

Metoda mjerenja težine kapi

$\gamma$ (detergent) / $\text{gdm}^{-3}$	$b$	$m_2/\text{g}$
0,5	15	19,62
0,7	15	20,25
1,2	15	20,81
1,6	15	21,33
1,85	15	21,86

$$m_1/\text{g} = 18,94$$

$$t_1/^\circ\text{C} = 25,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 25,0$$

## 10

Metoda stalagmometra

$\varphi$ (C <sub>5</sub> H <sub>5</sub> OH) / %	1 kap podioka	$b$	$\pm$ podioka
10,0	8	45	+4
18,5	6	53	+3
30,0	7	62	+2
48,7	5	61	+3
70,0	9	82	+1
H <sub>2</sub> O	11	29	+4

Metoda mjerenja težine kapi

$\varphi$ (C <sub>5</sub> H <sub>5</sub> OH) / %	$b$	$m_2/\text{g}$
10,0	17	19,70
18,5	18	19,86
30,0	18	20,48
48,7	17	20,95
70,0	18	21,34

$$m_1/\text{g} = 19,09$$

$$t_1/^\circ\text{C} = 25,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 25,0$$

## 11

Metoda stalagmometra

$\varphi$ (CH <sub>3</sub> COOH) / %	1 kap podioka	$b$	$\pm$ podioka
10	14	27	+1
20	14	30	+3
30	13	32	+4
40	13	33	+2
50	12	34	+4
H <sub>2</sub> O	21	29	+3

Metoda mjerenja težine kapi

$\varphi$ (CH <sub>3</sub> COOH) / %	$b$	$m_2/g$
10	15	19,98
20	15	19,94
30	15	19,91
40	15	19,85
50	15	19,81

$$m_1/g = 19,00$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 26,0$$

$$t_2/^\circ\text{C} = 26,0$$

NAPOMENA: posudica je nakon svakog mjerenja praznjena

## 12

Metoda stalagmometra

$\gamma$ (detergent) / g dm <sup>3-</sup>	1 kap podioka	$b$	$\pm$ podioka
0,6	11	27	+7
0,9	10	30	+3
1,1	9	32	+4
1,3	8	33	+5
1,7	8	37	+4
H <sub>2</sub> O	14	25	+11

Metoda mjerenja težine kapi

$\gamma$ (detergent) / g dm <sup>3-</sup>	$b$	$m_2/g$
0,6	13	16,19
0,9	13	17,08
1,1	13	17,95
1,3	13	18,76
1,7	13	19,54

$$m_1/g = 10,50$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 24,0$$

$$t_2/^\circ\text{C} = 24,0$$

## 13

Metoda stalagmometra

$\gamma(\text{detergent})/\text{gdm}^{-3}$	1 kap podioka	$b$	$\pm$ podioka
0,5	10	28	+2
0,9	12	34	+2
1,2	9	38	+1
1,6	8	41	+2
1,9	7	43	+2
H <sub>2</sub> O	19	25	+5

Metoda mjerenja težine kapi

$\gamma(\text{detergent})/\text{gdm}^{-3}$	$b$	$m_2/\text{g}$
0,5	15	19,80
0,9	15	20,65
1,2	15	21,39
1,6	15	22,05
1,9	15	23,28

$m_1/\text{g} = 18,80$

$2r/\text{cm} = 0,550$

$t_1/^\circ\text{C} = 25,0$

$t_2/^\circ\text{C} = 25,0$

## 14

Metoda stalagmometra

$\gamma(\text{CH}_3\text{OH})/\text{gdm}^{-3}$	1 kap podioka	$b$	$\pm$ podioka
7,3	10	37	-1
10,1	8	41	+1
17,8	7	48	+1
34,1	6	56	+2
48,2	5	60	+2
H <sub>2</sub> O	9	35	-1

Metoda mjerenja težine kapi

$\gamma(\text{CH}_3\text{OH})/\text{gdm}^{-3}$	$b$	$m_2/\text{g}$
7,3	18	21,64
10,1	17	21,57
17,8	18	21,60
34,1	18	21,41
48,2	18	21,32

$m_1/\text{g} = 20,61$

$2r/\text{cm} = 0,550$

$t_1/^\circ\text{C} = 24,0$

$t_2/^\circ\text{C} = 24,0$



## 15

Metoda stalagmometra

$\varphi$ (C <sub>2</sub> H <sub>5</sub> OH) / %	1 kap podioka	$b$	$\pm$ podioka
7,3	11	35	+3
17,3	10	42	+1
37,3	9	51	-1
47,3	8	55	0
67,3	7	61	0
H <sub>2</sub> O	15	26	+3

Metoda mjerenja težine kapi

$\varphi$ (C <sub>2</sub> H <sub>5</sub> OH) / %	$b$	$m_2/g$
7,3	15	16,05
17,3	15	16,80
37,3	15	17,35
47,3	15	17,90
67,3	15	18,32

$$m_1/g = 15,20$$

$$t_1/^\circ\text{C} = 23,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 23,0$$

## 16

Metoda stalagmometra

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	1 kap podioka	$b$	$\pm$ podioka
5,0	9	31	+4
20,0	8	46	+3
37,0	10	59	+4
55,0	10	65	+5
70,0	9	67	+4
H <sub>2</sub> O	19	27	+2

Metoda mjerenja težine kapi

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	$b$	$m_2/g$
5,0	20	20,0
20,0	20	19,69
37,0	20	19,51
55,0	20	19,41
70,0	20	19,40

$$m_1/g = 18,87$$

$$t_1/^\circ\text{C} = 24,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 24,0$$

NAPOMENA: posudica je nakon svakog mjerenja praznjena

17

Metoda stalagmometra

$\gamma$ (detergent) / g dm <sup>-3</sup>	1 kap podioka	<i>b</i>	± podioka
0,5	7	31	-1
0,9	6	42	-2
1,2	10	43	-1
1,7	9	50	0
2,0	9	52	-2
H <sub>2</sub> O	19	27	+10

Metoda mjerenja težine kapi

$\gamma$ (detergent) / g dm <sup>-3</sup>	<i>b</i>	<i>m</i> <sub>2</sub> /g
0,5	10	19,42
0,9	15	20,18
1,2	15	20,81
1,7	20	21,59
2,0	15	22,12

$$m_1/g = 18,91$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 25,0$$

$$t_2/^\circ\text{C} = 25,0$$

18

Metoda stalagmometra

$\varphi((\text{CH}_3)_2\text{CO}) / \%$	1 kap podioka	<i>b</i>	± podioka
5,0	16	40	-1
20,0	15	54	+1
40,0	14	61	0
55,0	13	67	+1
70,0	12	70	+1
H <sub>2</sub> O	15	32	-1

Metoda mjerenja težine kapi

$\varphi((\text{CH}_3)_2\text{CO}) / \%$	<i>b</i>	<i>m</i> <sub>2</sub> /g
5,0	45	19,76
20,0	15	19,51
40,0	15	19,34
55,0	15	19,28
70,0	15	19,22

$$m_1/g = 18,89$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 24,0$$

$$t_2/^\circ\text{C} = 24,5$$

NAPOMENA: posudica je nakon svakog mjerenja pražnjena

## 19

## Metoda stalagmometra

$w$ (KCl) / %	1 kap podioka	$b$	$\pm$ podioka
5	14	30	+1
8	16	30	-1
10	18	30	+2
15	20	31	+4
20	22	31	+4
H <sub>2</sub> O	16	30	+4

## Metoda mjerenja težine kapi

$w$ (KCl) / %	$b$	$m_2/g$
5	16	11,83
8	13	11,53
10	15	11,74
15	16	11,84
20	16	11,87

$$m_1/g = 10,50$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 24,0$$

$$t_2/^\circ\text{C} = 26,0$$

NAPOMENA: posudica je nakon svakog mjerenja pražnjena

## 20

## Metoda stalagmometra

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	1 kap podioka	$b$	$\pm$ podioka
5,0	18	35	+1
20,0	16	43	+1
40,0	13	54	+2
55,0	12	57	+2
70,0	11	60	+3
H <sub>2</sub> O	22	28	+1

## Metoda mjerenja težine kapi

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	$b$	$m_2/g$
5,0	15	19,98
20,0	15	20,68
40,0	15	21,21
55,0	15	21,63
70,0	15	22,00

$$m_1/g = 19,14$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 25,0$$

$$t_2/^\circ\text{C} = 25,0$$

## 21

Metoda stalagmometra

$\varphi$ (C <sub>2</sub> H <sub>5</sub> OH) / %	1 kap podioka	$b$	$\pm$ podioka
7,3	11	35	+3
17,3	10	42	+1
37,3	9	51	-1
47,3	8	55	0
67,3	7	61	0
H <sub>2</sub> O	15	26	+3

Metoda mjerenja težine kapi

$\varphi$ (C <sub>2</sub> H <sub>5</sub> OH) / %	$b$	$m_2/g$
7,3	15	16,05
17,3	15	16,80
37,3	15	17,35
47,3	15	17,90
67,3	15	18,32

$$m_1/g = 15,20$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 23,0$$

$$t_2/^\circ\text{C} = 23,0$$

## 22

Metoda stalagmometra

$\gamma$ (detergent) / g dm <sup>-3</sup>	1 kap podioka	$b$	$\pm$ podioka
0,5	7	31	-1
0,9	6	42	-2
1,2	10	43	-1
1,7	9	50	0
2,0	9	52	-2
H <sub>2</sub> O	19	27	+10

Metoda mjerenja težine kapi

$\gamma$ (detergent) / g dm <sup>-3</sup>	$b$	$m_2/g$
0,5	10	19,42
0,9	15	20,18
1,2	15	20,81
1,7	20	21,59
2,0	15	22,12

$$m_1/g = 18,91$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 25,0$$

$$t_2/^\circ\text{C} = 25,0$$

## 23

## Metoda stalagmometra

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	1 kap podioka	<i>b</i>	± podioka
5,0	9	31	+4
20,0	8	46	+3
37,0	10	59	+4
55,0	10	65	+5
70,0	9	67	+4
H <sub>2</sub> O	19	27	+2

## Metoda mjerenja težine kapi

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	<i>b</i>	<i>m</i> <sub>2</sub> /g
5,0	20	20,0
20,0	20	19,69
37,0	20	19,51
55,0	20	19,41
70,0	20	19,40

$$m_1/g = 18,87$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 24,0$$

$$t_2/^\circ\text{C} = 24,0$$

NAPOMENA: posudica je nakon svakog mjerenja praznjena

## 24

## Metoda stalagmometra

$\varphi$ (CH <sub>3</sub> COOH) / %	1 kap podioka	<i>b</i>	± podioka
5,0	17	34	+1
15,0	16	36	+1
30,0	13	41	0
40,0	12	45	-1
65,0	11	52	0
H <sub>2</sub> O	21	24	-1

## Metoda mjerenja težine kapi

$\varphi$ (CH <sub>3</sub> COOH) / %	<i>b</i>	<i>m</i> <sub>2</sub> /g
5,0	15	19,75
15,0	15	19,66
30,0	15	19,55
40,0	15	19,54
65,0	15	19,35

$$m_1/g = 18,87$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 25,0$$

$$t_2/^\circ\text{C} = 25,0$$

NAPOMENA: posudica je nakon svakog mjerenja praznjena

25

Metoda stalagmometra

$\gamma$ (detergent) / $\text{gdm}^{-3}$	1 kap podioka	$b$	$\pm$ podioka
0,5	13	37	+6
0,7	15	40	+2
1,2	18	45	0
1,6	13	51	+2
1,85	11	53	+1
H <sub>2</sub> O	19	28	-2

Metoda mjerenja težine kapi

$\gamma$ (detergent) / $\text{gdm}^{-3}$	$b$	$m_2/\text{g}$
0,5	15	19,62
0,7	15	20,25
1,2	15	20,81
1,6	15	21,33
1,85	15	21,86

$$m_1/\text{g} = 18,94$$

$$t_1/^\circ\text{C} = 25,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 25,0$$

26

Metoda stalagmometra

$\varphi$ (C <sub>5</sub> H <sub>5</sub> OH) / %	1 kap podioka	$b$	$\pm$ podioka
10,0	8	45	+4
18,5	6	53	+3
30,0	7	62	+2
48,7	5	61	+3
70,0	9	82	+1
H <sub>2</sub> O	11	29	+4

Metoda mjerenja težine kapi

$\varphi$ (C <sub>5</sub> H <sub>5</sub> OH) / %	$b$	$m_2/\text{g}$
10,0	17	19,70
18,5	18	19,86
30,0	18	20,48
48,7	17	20,95
70,0	18	21,34

$$m_1/\text{g} = 19,09$$

$$t_1/^\circ\text{C} = 25,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 25,0$$

27

Metoda stalagmometra

$\varphi$ (CH <sub>3</sub> COOH) / %	1 kap podioka	$b$	$\pm$ podioka
10	14	27	+1
20	14	30	+3
30	13	32	+4
40	13	33	+2
50	12	34	+4
H <sub>2</sub> O	21	29	+3

Metoda mjerenja težine kapi

$\varphi$ (CH <sub>3</sub> COOH) / %	$b$	$m_2/g$
10	15	19,98
20	15	19,94
30	15	19,91
40	15	19,85
50	15	19,81

$$m_1/g = 19,00$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 26,0$$

$$t_2/^\circ\text{C} = 26,0$$

NAPOMENA: posudica je nakon svakog mjerenja praznjena

28

Metoda stalagmometra

$\gamma$ (detergent) / g dm <sup>3-</sup>	1 kap podioka	$b$	$\pm$ podioka
0,6	11	27	+7
0,9	10	30	+3
1,1	9	32	+4
1,3	8	33	+5
1,7	8	37	+4
H <sub>2</sub> O	14	25	+11

Metoda mjerenja težine kapi

$\gamma$ (detergent) / g dm <sup>3-</sup>	$b$	$m_2/g$
0,6	13	16,19
0,9	13	17,08
1,1	13	17,95
1,3	13	18,76
1,7	13	19,54

$$m_1/g = 10,50$$

$$2r/cm = 0,550$$

$$t_1/^\circ\text{C} = 24,0$$

$$t_2/^\circ\text{C} = 24,0$$

29

Metoda stalagmometra

$\gamma(\text{detergent})/\text{gdm}^{-3}$	1 kap podioka	$b$	$\pm$ podioka
0,5	10	28	+2
0,9	12	34	+2
1,2	9	38	+1
1,6	8	41	+2
1,9	7	43	+2
H <sub>2</sub> O	19	25	+5

Metoda mjerenja težine kapi

$\gamma(\text{detergent})/\text{gdm}^{-3}$	$b$	$m_2/\text{g}$
0,5	15	19,80
0,9	15	20,65
1,2	15	21,39
1,6	15	22,05
1,9	15	23,28

$$m_1/\text{g} = 18,80$$

$$t_1/^\circ\text{C} = 25,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 25,0$$

30

Metoda stalagmometra

$\gamma(\text{detergent})/\text{g dm}^{-3}$	1 kap podioka	$b$	$\pm$ podioka
0,6	11	27	+7
0,9	10	30	+3
1,1	9	32	+4
1,3	8	33	+5
1,7	8	37	+4
H <sub>2</sub> O	14	25	+11

Metoda mjerenja težine kapi

$\gamma(\text{detergent})/\text{g dm}^{-3}$	$b$	$m_2/\text{g}$
0,6	13	16,19
0,9	13	17,08
1,1	13	17,95
1,3	13	18,76
1,7	13	19,54

$$m_1/\text{g} = 10,50$$

$$t_1/^\circ\text{C} = 24,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 24,0$$



## 31

Metoda stalagmometra

$\gamma(\text{detergent})/\text{gdm}^{-3}$	1 kap podioka	$b$	$\pm$ podioka
0,5	10	28	+2
0,9	12	34	+2
1,2	9	38	+1
1,6	8	41	+2
1,9	7	43	+2
H <sub>2</sub> O	19	25	+5

Metoda mjerenja težine kapi

$\gamma(\text{detergent})/\text{gdm}^{-3}$	$b$	$m_2/\text{g}$
0,5	15	19,80
0,9	15	20,65
1,2	15	21,39
1,6	15	22,05
1,9	15	23,28

$$m_1/\text{g} = 18,80$$

$$t_1/^\circ\text{C} = 25,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 25,0$$

## 32

Metoda stalagmometra

$\gamma(\text{CH}_3\text{OH})/\text{gdm}^{-3}$	1 kap podioka	$b$	$\pm$ podioka
7,3	10	37	-1
10,1	8	41	+1
17,8	7	48	+1
34,1	6	56	+2
48,2	5	60	+2
H <sub>2</sub> O	9	35	-1

Metoda mjerenja težine kapi

$\gamma(\text{CH}_3\text{OH})/\text{gdm}^{-3}$	$b$	$m_2/\text{g}$
7,3	18	21,64
10,1	17	21,57
17,8	18	21,60
34,1	18	21,41
48,2	18	21,32

$$m_1/\text{g} = 20,61$$

$$t_1/^\circ\text{C} = 24,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 24,0$$

## 33

Metoda stalagmometra

$\varphi$ (C <sub>2</sub> H <sub>5</sub> OH) / %	1 kap podioka	<i>b</i>	± podioka
7,3	11	35	+3
17,3	10	42	+1
37,3	9	51	-1
47,3	8	55	0
67,3	7	61	0
H <sub>2</sub> O	15	26	+3

Metoda mjerenja težine kapi

$\varphi$ (C <sub>2</sub> H <sub>5</sub> OH) / %	<i>b</i>	<i>m</i> <sub>2</sub> /g
7,3	15	16,05
17,3	15	16,80
37,3	15	17,35
47,3	15	17,90
67,3	15	18,32

$$m_1/g = 15,20$$

$$t_1/^\circ\text{C} = 23,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 23,0$$

## 34

Metoda stalagmometra

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	1 kap podioka	<i>b</i>	± podioka
5,0	9	31	+4
20,0	8	46	+3
37,0	10	59	+4
55,0	10	65	+5
70,0	9	67	+4
H <sub>2</sub> O	19	27	+2

Metoda mjerenja težine kapi

$\varphi$ ((CH <sub>3</sub> ) <sub>2</sub> CO) / %	<i>b</i>	<i>m</i> <sub>2</sub> /g
5,0	20	20,0
20,0	20	19,69
37,0	20	19,51
55,0	20	19,41
70,0	20	19,40

$$m_1/g = 18,87$$

$$t_1/^\circ\text{C} = 24,0$$

$$2r/\text{cm} = 0,550$$

$$t_2/^\circ\text{C} = 24,0$$

NAPOMENA: posudica je nakon svakog mjerenja praznjena

## 35

Metoda stalagmometra

$\gamma$ (detergent) / g dm <sup>-3</sup>	1 kap podioka	$b$	$\pm$ podioka
0,5	7	31	-1
0,9	6	42	-2
1,2	10	43	-1
1,7	9	50	0
2,0	9	52	-2
H <sub>2</sub> O	19	27	+10

Metoda mjerenja težine kapi

$\gamma$ (detergent) / g dm <sup>-3</sup>	$b$	$m_2/g$
0,5	10	19,42
0,9	15	20,18
1,2	15	20,81
1,7	20	21,59
2,0	15	22,12

$m_1/g = 18,91$

$2r/cm = 0,550$

$t_1/^\circ\text{C} = 25,0$

$t_2/^\circ\text{C} = 25,0$

## 36

Metoda stalagmometra

$\varphi((\text{CH}_3)_2\text{CO}) / \%$	1 kap podioka	$b$	$\pm$ podioka
5,0	16	40	-1
20,0	15	54	+1
40,0	14	61	0
55,0	13	67	+1
70,0	12	70	+1
H <sub>2</sub> O	15	32	-1

Metoda mjerenja težine kapi

$\varphi((\text{CH}_3)_2\text{CO}) / \%$	$b$	$m_2/g$
5,0	45	19,76
20,0	15	19,51
40,0	15	19,34
55,0	15	19,28
70,0	15	19,22

$m_1/g = 18,89$

$2r/cm = 0,550$

$t_1/^\circ\text{C} = 24,0$

$t_2/^\circ\text{C} = 24,5$

NAPOMENA: posudica je nakon svakog mjerenja pražnjena