

... // ... , 1971. 4 .615-621. 3. ...  
 ... , 1961. 680 . 4. ...  
 ... , 1988. 731 .

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666.3/7

... , ... « »,

In the article the method for the grounded choice of raw materials at making of the densely baked wares is offered and expounded. The method is based on physical and chemical computations in the systems of breed formative oxides. The results of ceramic the masses development, with the use of the offered method, for the receipt of different functional ceramic clinker wares are presented.

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Wienerberger, 1918  
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[1 – 3].

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SiO <sub>2</sub>	76,31	65,60	74,71	74,39	73,56
TiO <sub>2</sub>	-	-	-	-	0,20
Al <sub>2</sub> O <sub>3</sub>	14,17	15,70	14,52	13,49	14,3
Fe <sub>2</sub> O <sub>3</sub>	0,57	4,20	0,07	1,54	0,36
CaO	0,67	2,60	0,60	1,30	0,51
MgO	0,32	1,50	0,10	-	0,20
K <sub>2</sub> O	4,00	6,10	6,62	2,50	6,99
Na <sub>2</sub> O	3,74	3,00	3,08	3,57	0,2
. . .	0,22		0,30	3,21	3,68
, %					
	28,17	39,28	39,26	15,45	42,49
	25,44	27,60	26,1	31,53	1,74
	10,38	11,41	5,76	12,96	16,6
	36,05	21,71	28,80	40,05	39,17

1100 – 1200 )

K<sub>2</sub>O-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> Na<sub>2</sub>O-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>.

( ),

1270 – 1400 .

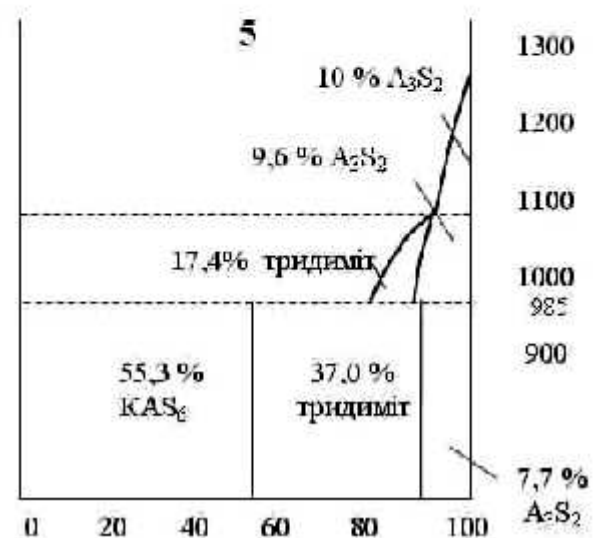
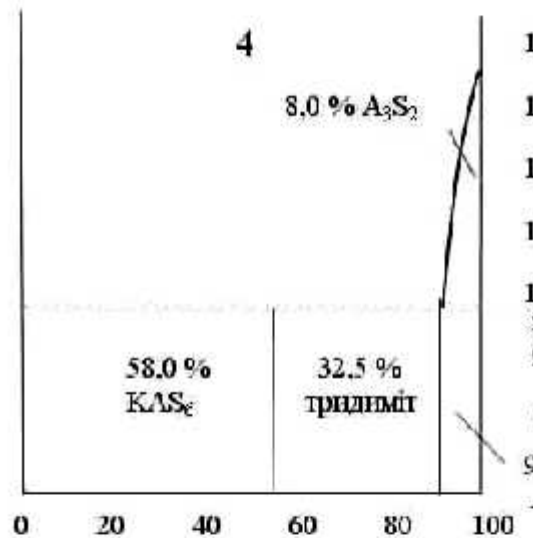
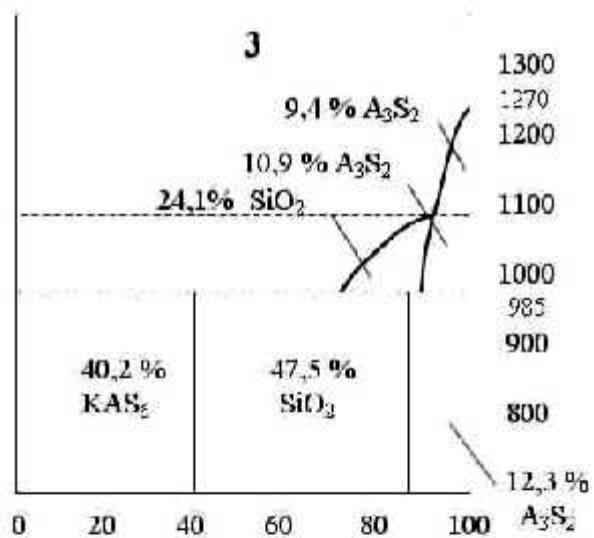
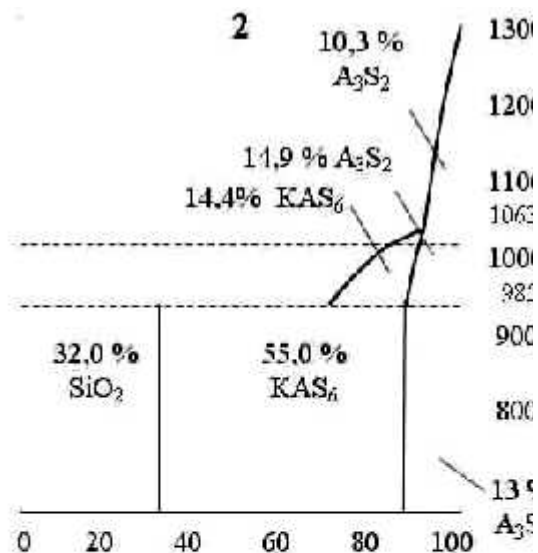
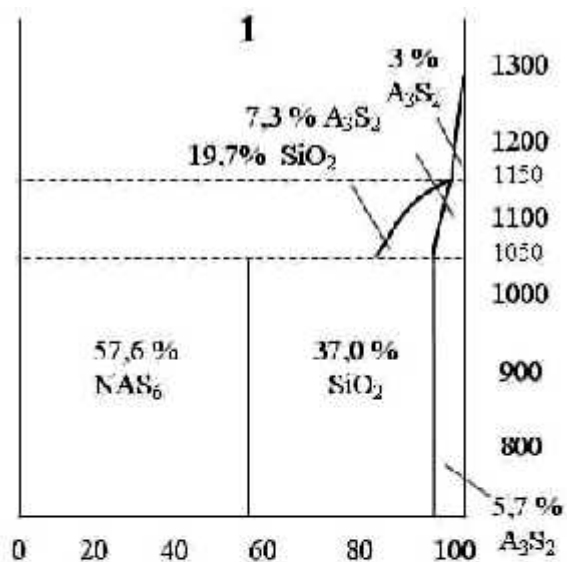
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1100  
( 16,4 %).

10 %  
1200

10 % [ 6 ],

[7]



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2- i

3-

4- i i

5- i i

2.

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	985		985		985		1050		985	
	1270		1340		1400		1300		1300	
, %	90,6	94,0	90,5	93,1	92,0	94,0	80,0	98,0	90,0	93,0
- , %	A <sub>3</sub> S <sub>2</sub> 9,4	A <sub>3</sub> S <sub>2</sub> 6,0	A <sub>3</sub> S <sub>2</sub> 9,5	A <sub>3</sub> S <sub>2</sub> 6,9	A <sub>3</sub> S <sub>2</sub> 8,0	A <sub>3</sub> S <sub>2</sub> 6,0	A <sub>3</sub> S <sub>2</sub> 6,0 SiO <sub>2</sub> 14,0	A <sub>3</sub> S <sub>2</sub> 2,0	A <sub>3</sub> S <sub>2</sub> 10,0	A <sub>3</sub> S <sub>2</sub> 7,0
lg η, ·	3,66	3,27	3,70	3,47	3,66	3,2	3,78	3,45	3,65	3,24
Δlg η, · 1100 – 1200	0,39		0,33		0,46		0,33		0,41	
- ,	0,276	0,280	0,290	0,293	0,274	0,276	0,286	0,288	0,270	0,274

10<sup>2</sup>-10<sup>3</sup> ·

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The general analysis of the researches conducted by the Russian scientists of 19 – 20 centuries in the field of peroxide chemistry and the results of their investigations were given in the article the topicality of modern practical implementation of the obtained results was shown. Special attention was paid to the important of further development of this approach of scientific research.