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Influencing of additions is examined in the article - electrolytes on the durability descriptions of standards of silicate brick, and similarly possibility of reduction of the mode of autoclave treatment of standards due to introduction of additions - electrolytes, without the decline of durability of standards.

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, - -
• -
- ;
8 , - 8 , - 175 ° ;
,
• -
-
-
-
, -
• -
, -

[1].

(0,5 . %),

(, NaOH, KOH, Na₂SO₄, K₂SO₄, MgSO₄, Al₂(SO₄)₃, NaCl, KCl, Na₂CO₃, K₂CO₃, (NH₄)₂CO₃, Na₂SiO₃).

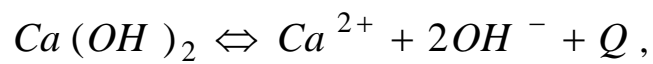
[2, 3].

1.

;

2.

:



OH^- ,

Ca^{2+} .

3.

[4].

, NaOH.

OH^-

).

Ca^{2+}
 OH^-

OH^- .

[5].

OH^- ,

(, NaCl, MgCl₂).

[6].

(006), (3 , -
-3, .) 81 %, (.)
96,5 ° ,
1709,1 ²/ ,

1,263. 2 %- NaOH,
K₂CO₃, MgCl₂, BaCl₂, AlCl₃, MgSO₄, Al₂(SO₄)₃.

- 2,4 × 2,4 × 2,4 ,
150 / ².

6 , 6 (164,2 °), -

8 , 8 (175 °). -

. 1. -

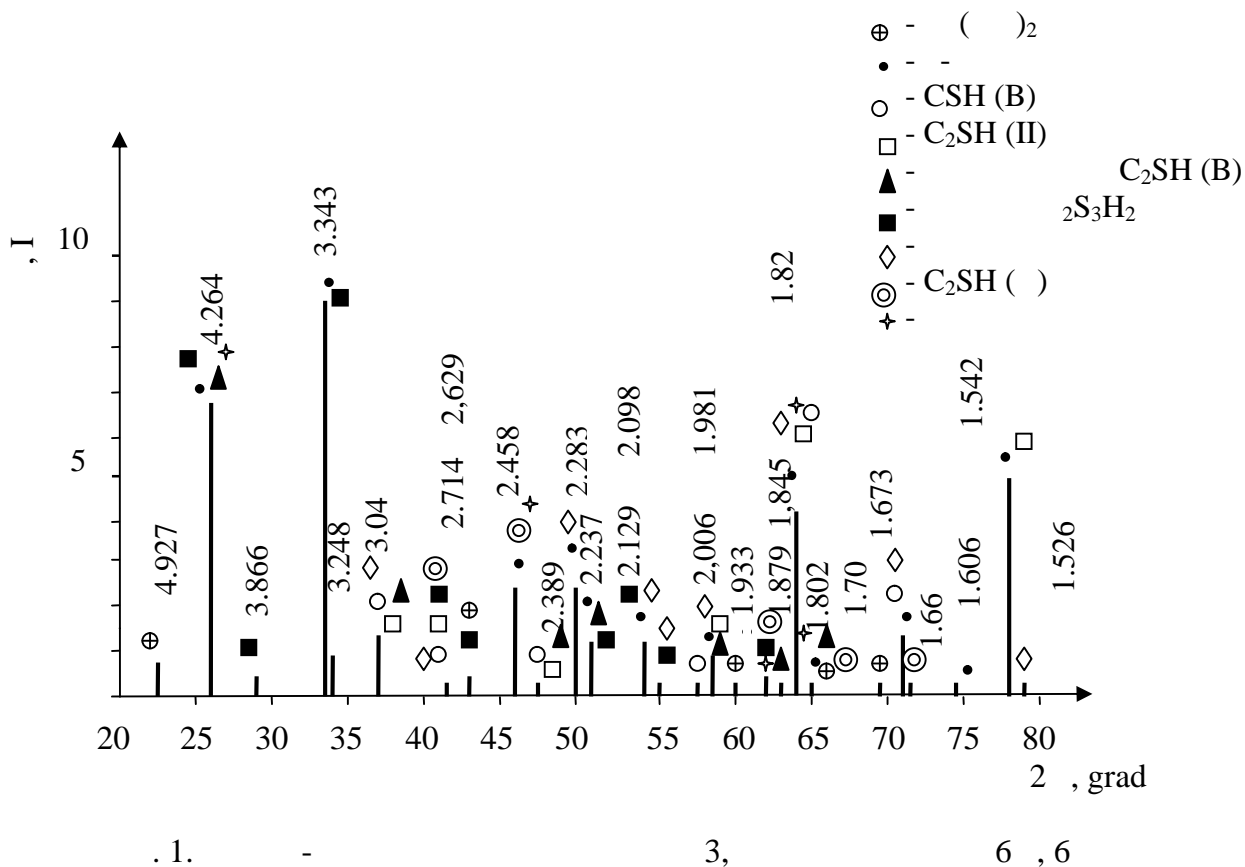
. 1 - 5. -

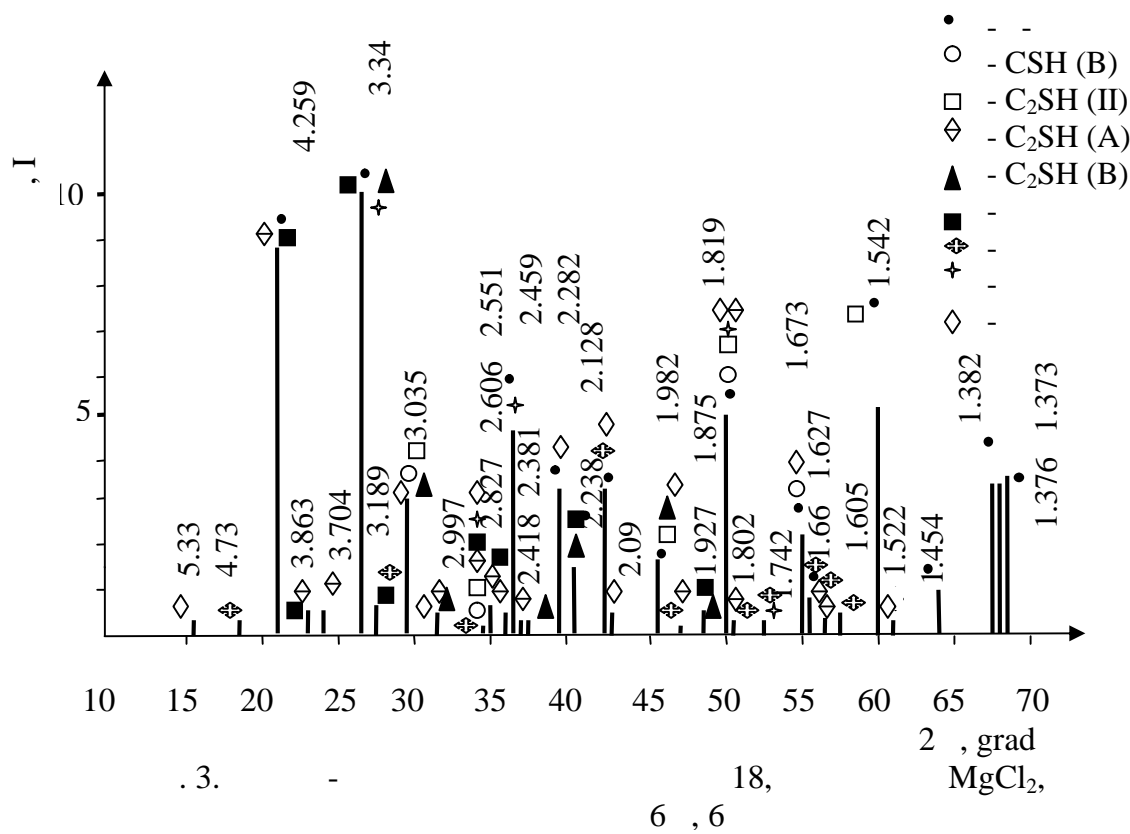
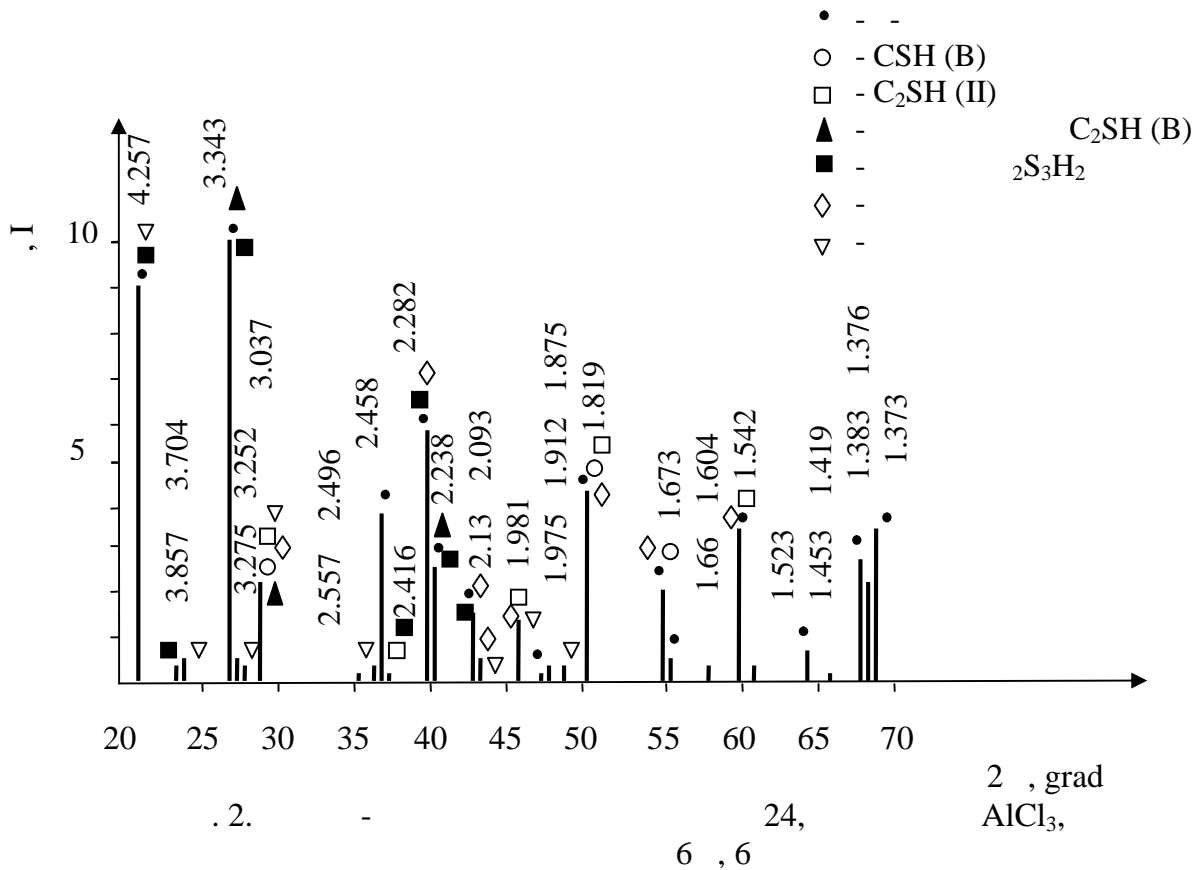
: ¹¹Na - ¹⁹K, ¹²Mg - ²⁰Ca - ⁵⁶Ba;

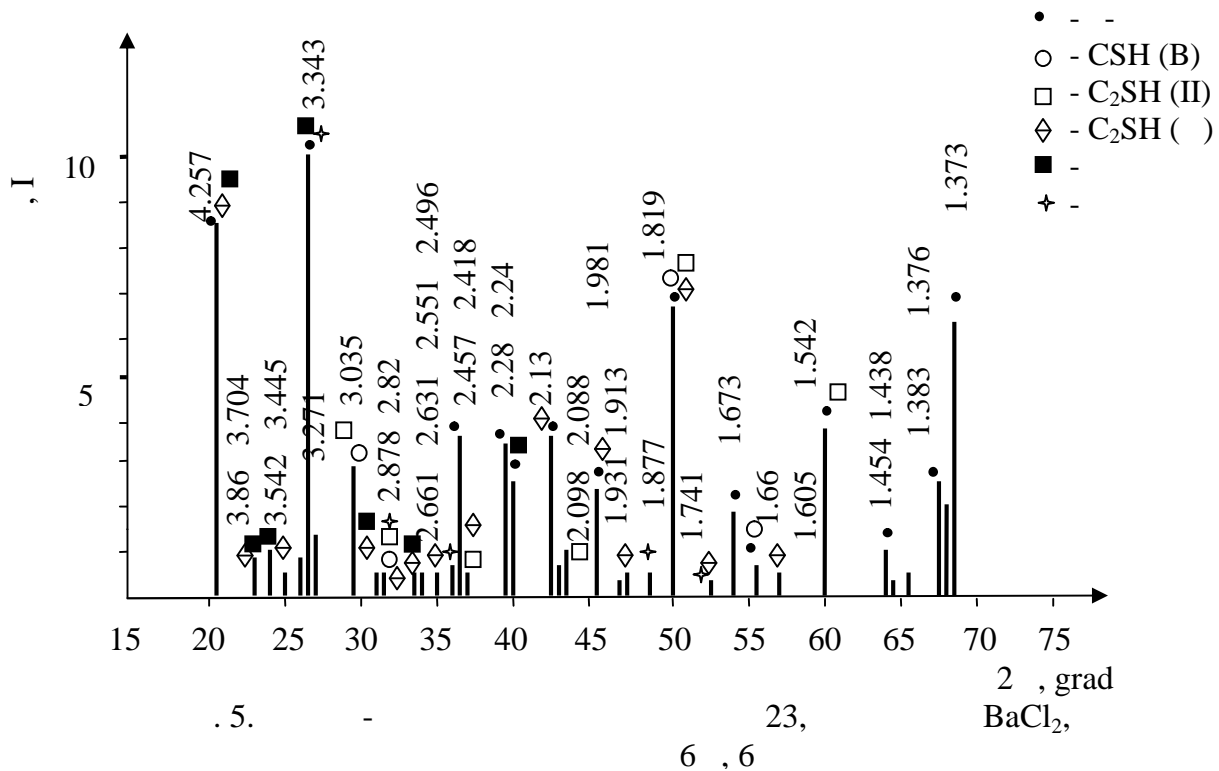
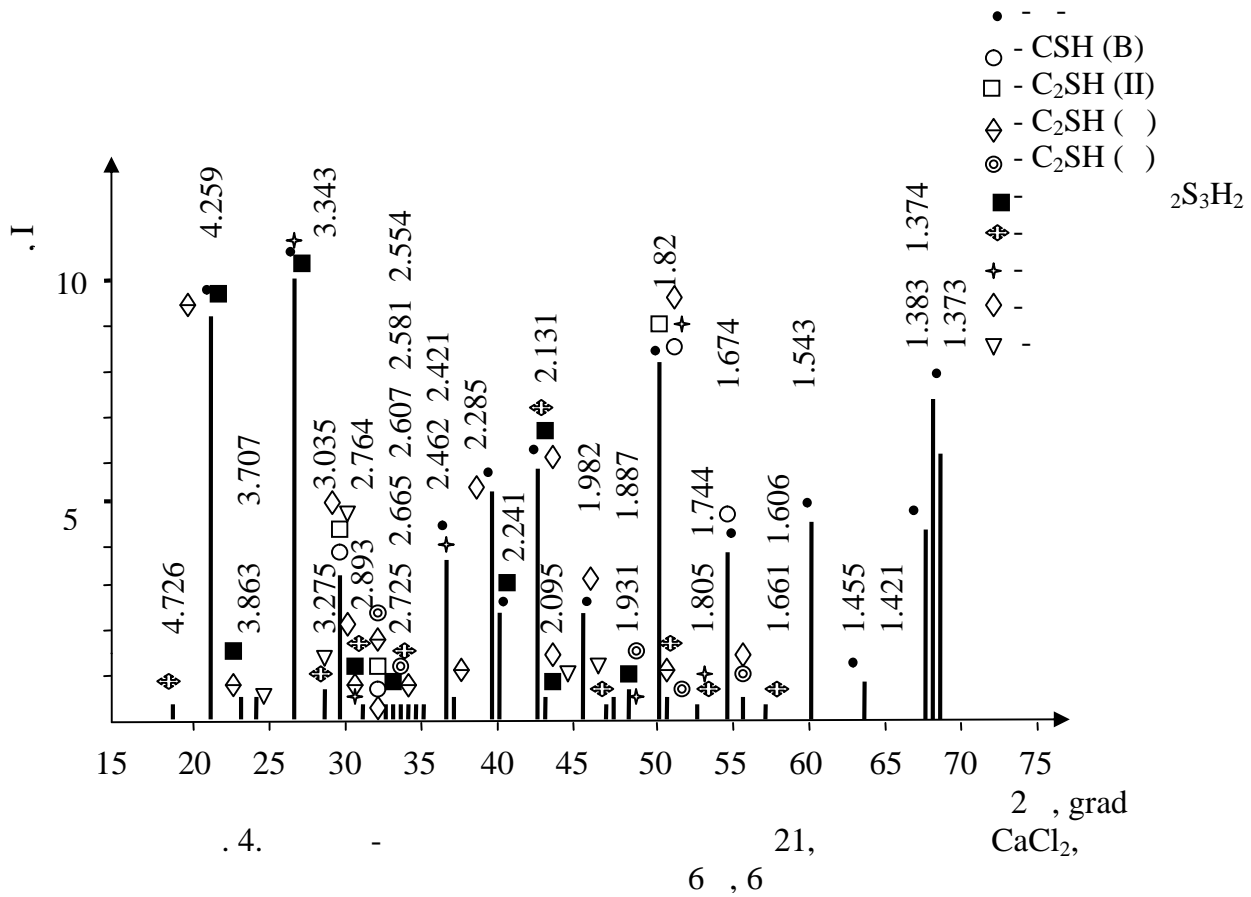
: ¹¹Na - ¹²Mg - ¹³Al,

¹⁹K - ²⁰Ca. -

№	Состав, %				Соединение	d ₁₀₀ , мкм	d ₂₀₀ , мкм	d ₄₀₀ , мкм	d ₆₀₀ , мкм
	CaO	SiO ₂	Al ₂ O ₃	H ₂ O					
1	10,5	10,5	—	79	H ₂ O	11	8	8	327
3	10,5	—	10,5	79	H ₂ O	11	8	8	371
3	10,5	—	10,5	79	H ₂ O	11	6	6	194
18	10,5	—	10,5	79	MgCl ₂	14	6	6	335
21	10,5	—	10,5	79	CaCl ₂	14	6	6	265
23	10,5	—	10,5	79	BaCl ₂	11	6	6	265
24	10,5	—	10,5	79	AlCl ₃	14	6	6	380
25	10,5	—	10,5	79	MgSO ₄	11	6	6	168
20	10,5	—	10,5	79	Al ₂ (SO ₄) ₃	13	6	6	221
22	10,5	—	10,5	79	K ₂ CO ₃	11	6	6	168
19	10,5	—	10,5	79	NaOH	11	6	6	194







(. 2),

2

	Na	K	Mg	Ca	Ba	Al
, *, A	0,98/0,95	1,33	0,74/0,65	1,04/0,99	1,38/1,35	0,57/0,5
**	0,93	0,82	1,31	1,00	0,89	1,61

*

(),

() [7].

**

[8].

MgCl₂ (335 / ²) AlCl₃ (380 / ²).

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 - . 127 - 137. 2. . . . , -
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 « »,- 1971. - 1071 . 8. . . . - ∴ , - 1975. - 543 .

23.10.07

621.357.7

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