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Technological parameters of a dilute sodium chloride solutions electrolysis process of and electrochemical decontamination of water with natural salt content are observed. Influence of the anode active layer nature, electrolysis temperatures and chloride concentration on chlorine evolution kinetics is shown. Efficiency of a periodic and continuous flowing way of electrolysis is analysed.

• -
• , -
(100 • ⁻³). -
8...10 . -
[1, 2] 350 / , -
• -
NaCl -
• , -
() , -
() [3]. -

.
 , Cl⁻ -
 .
 2-200 .⁻²
 (.⁻³): 70, 350, 700, 1400.
 .
 ,
 , .

NaCl, . ⁻³	70	350	700	1400
, . ⁻²	1,2	3,1	6,9	9,8
, %:	14	27	41	55

50-70 , - 300-350 . 1,7 .
 NaCl
 4,5...10,5 .⁻².
 12...18 %,

NaCl 70 350 .⁻³.
 .
 ,
 .
 .
 .
 .
 70 350 .⁻³ 10-15 .⁻²,
 700 1400 .⁻³ - 60-70 .⁻².
 ,
 ,

NaCl =6,0-6,5.
6,5 10...11

283-298 .
283 295

350 . ⁻³, 32 . ⁻³
51 . ⁻³ 70 . ⁻³, 20 . ⁻³ 5 . ⁻³
1400 . ⁻³ 700 . ⁻³,
5 10 . ⁻³
3 ,

0,8

30 %.

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