

In the article non-standard terms influence of thermodynamics probability of besieging reactions flowing from nickel exhaust electrolytes is appraised. Influence of amendments on isobar-isothermal potential in the set concentration interval is investigational. The minimum concentration of sulfate (chloride) of nickel is certain which the chemical rendering harmless of electrochemical exhaust electrolytes nickelage flows to.

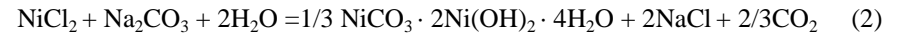
2-3%

40 – 70 % [1].

[2].

[1].

[3]:



$$\Delta G_{T,P,C} = \Delta G_T^0 + RT \ln K_a + RT \ln K_f,$$

$$\Delta G_T^0 -$$

$$\Delta G_{T,P,C} -$$

$$K_a = \frac{\left(\frac{\sum_{j=1}^n \epsilon_j (C \dots)_j}{\dots X^* \dots} \right)^d \left(\frac{\sum_{j=1}^d \epsilon_j (C \dots)_j}{C \dots X^* \dots} \right)^d$$

d-

C*

X_i*

C*

K_f-

$$K_f = \left(\frac{P}{\sum N} \right)^{\Delta n} \frac{k N_k^{n_k}}{N^n} \frac{k X_k^{n_k}}{\chi^{n_k}};$$

N-

i-

n-

200 / ,
0,1 – 275 / .

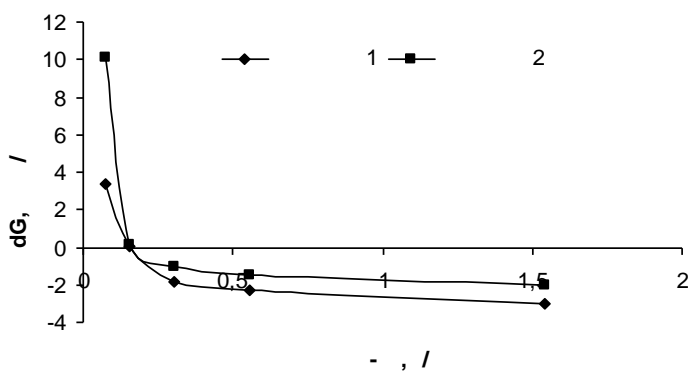
$$G_{1,2} = f(\dots)$$

1 2

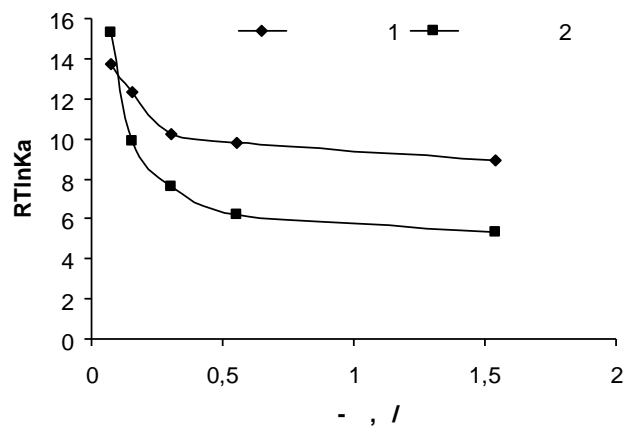
160 / ,

155 / .
275 2 /

-159,5 2 / . -138,22 -2,5 /
 RTlnKa (. 2). 275÷2 /
 -1,4 16,8 / 6,5 17,7 /
 7,5 / RTlnKf



.1. $G = 293$, $\beta = 1$



.2. $RTlnK_a = 293$, $\beta = 1$

$RTlnK_a = f(\dots)$. 2
 60-70 %) 0 - 2 / ($G_{...}$ 2 - 275
 / $G_{...}$ 30 % 40 %
 0,7 0,038.
 0 2 /
 0,523 0,46,
 2 275 / ,
 0,7.
 16 % . 55 % ,
 0,8 1 0,95
 167 / 180 /
 [3]. « » 7,2 11 % ,
 160
 [4].

$= 293$ $= 1$,
 160 / 155 /
 275 / .
 : 1.
 , 1989.-672 . 2.
 // .- 1989.- 5.- . 407-421. 3.
 // .- 2005.- 5.- . 207-211. 4.
 - 160 . : , 1979.
 10.04.06