

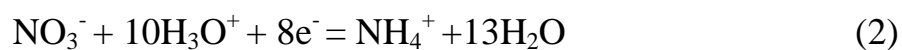
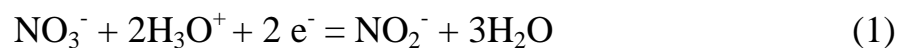
• • , • • , • • , • • ,

• • , NH₄⁺ - -
- NO₃⁻ - -

Basing on our results the assumption about the formation of mixed complexes in nitrate solutions copper containing various depends in which different from of the added anions and NH₄⁺ ions both act as ligands was made. Formation and adsorption of these complexes on the solution margin and on the surface of precipitated deposit allows excluding practically completely the undesired unfavorable influence of NO₃⁻ - ions on the structure of elector-precipitated copper.

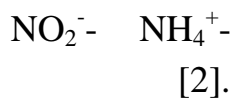
()

[1]:

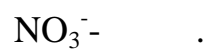
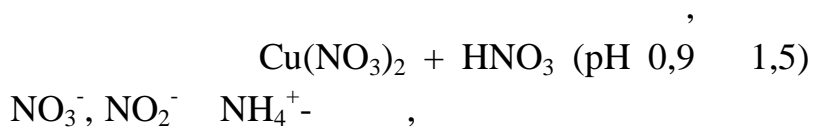


(1) (2)

(18 – 20 %). -



M



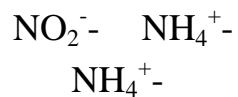
6 8 7 (. 1).

: = 0,9 - , = 1,7 - .
1,
(= 0,9) , = 1,7.

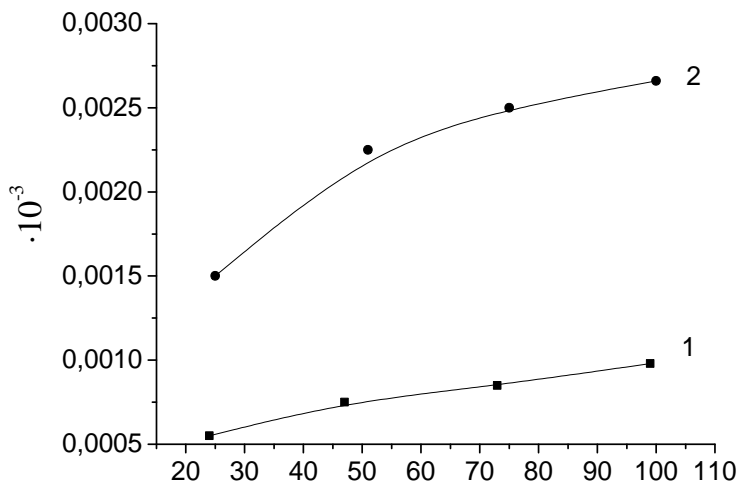


Cu < 100 % . B

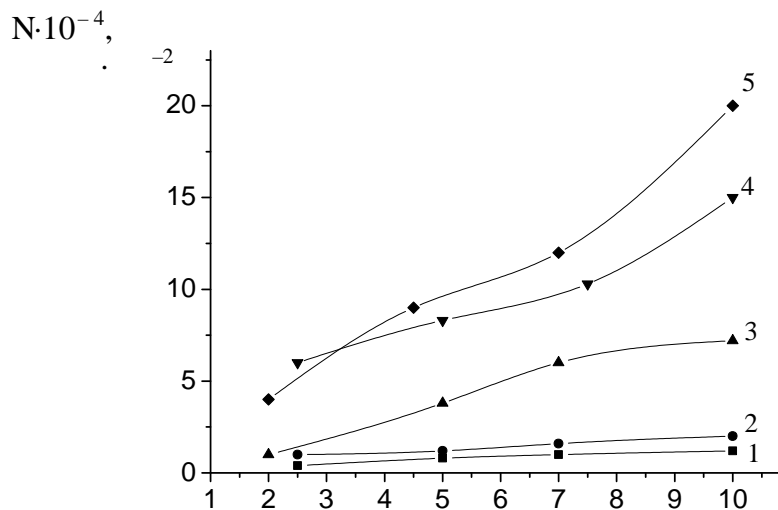
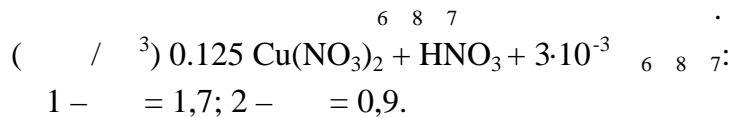
[2],



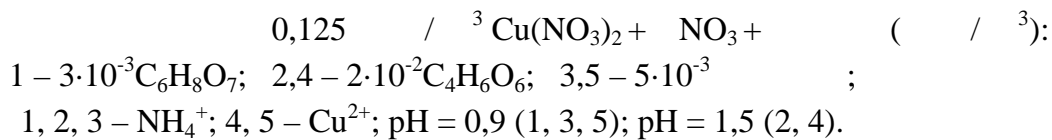
(1) (2),



. 1.



. 2.



[4].



”Hitachi-U3210”.



[6],

: 1.

, 1978. – 113 . 2.



// . – 1989. 1. – . 33 – 37. 3.

III

– . 166 – 167. 4.

– : , 1979. – 144 c. 5.

//

” . – : , 2007.

– . 200 – 203. 6. . – 2005. – . 12 (35), 648.

1969. – 612 c.

16.10.07