

ABSTRACT

Production of oxygen-containing compounds of chlorine. Ways to get chlorates in the industry. Calculation monopolar type electrolyzer with cooling electrolyte cathode and load current 25 kA graphite anodes.

Zinchuk O. V. Kyiv: NTUU «KPI», ChTF, group ChE-51m

Diplomaproject, 2015, pages –36, tables – 5, pictures – 4, sources – 5.

Coursework is devoted to study the electrochemical production of sodium chlorate. Physical and chemical properties chlorates, their use and methods of obtaining in the industry are consider. The choice and description of construction of monopolar type electrolyzer. The calculation of electrolysis current load of 25 kA. Calculated balances of current, voltage and power, heat and material balances and expenditure ratios.

**ELECTROLYSIS of CHLORATES, MONOPOLAR TYPE
ELECTROLYZER, CURRENT BALANCE, VOLTAGE BALANCE, MATERIAL
BALANCES, HEAT BALANCES, SUPPLIES RATES, CONSUMED INDEX.**