

Course work in discipline "**Materials in technology of inorganic substances**" on "Production of soda ash"

The ammonia method of manufacturing of soda ash considered. The requirements to finished products and raw materials given. The physicochemical fundamentals of manufacturing of soda ash and reasonable standards of technological regimes reviewed. The choice of structural materials for technological equipment justified.

SODA ASH, SODIUM BICARBONATE, PRODUCTION, CARBONIZATION DRUM VACUUM FILTERS, AMMONIATED BRUM, REGENERATION AMMONIA, CALCIUM CHLORIDE.

Shaft kiln limestone: the cabinet - XH56BMKIO, basis - with iron. Inside lined with fireclay bricks. Washer gas: alloy steel X17. Column of ammonization: building construction - ЧИИ-15. Column carbonization, the cabinet is made of ЧЧ-21. Drum furnace for calcination, the cabinet of the heat-resistant steel grade H4X12K15M4T, domestic steel nozzle 12X18H10T that lined tiles on the walls.