

Course work in discipline “Constructional materials technology of inorganic substances” on “Section of ammonia oxidation nitric acid manufacture”

Explanatory note contains 24 p., 6 bibl.

Physicochemical fundamental of nitrate acid synthesis have been considered, process flow sheet has been introduced. The drawings of the technological scheme of the main unit have been presented.

Construction materials for technological equipment and apparatus have been chosen.

NITRIC ACID SYNTHESIS, PLATINUM CATALYST, CONTACT MECHANISM, ABSORBANCE COLUMN

Contact mechanism unit with mixer and recovery boiler are made of steel 12X18H10T. For mesh's constriction for platinum grates is used steel X24H12M3T. For the manufacture of recovery boiler tubes is 03X21H21M4TT.