

## ABSTRACT

Explanatory note contains 62 p., 6 fig., 10 tab., 8 bibl.

The project of catalytic oxidation of sulfur oxide (IV) has been developed.

Physicochemical fundamental of oxidation of sulfur oxide (IV) have been considered in the project, process flow sheet has been introduced. The choice of preparation method of the catalyst has been proved, physicochemical fundamental of selected method have been considered, catalyst production flow sheet has been represented. Material and thermal calculations have been done. Equipment of catalyst manufacture has been selected and described in the project. Possible ecological problems have been considered, ways of problems solution have been introduced.

OXIDATION OF SULFUR OXIDE (IV), DRY BLENDING, STABILITY, DRYER