

The invention relates to the preparation of ammonium nitrate. The preparation of nitrate is happened by means of boiling-down of nitrate solution by air. The air for this purposes is taken from delivery line of air compressor of production of nitric acid, that is heated it up to 170-220 °C and is applied to a mass-exchange device for contact with solution of nitrate, after that the obtained vapor-air mixture is applied to wash into gas washers or purge column of acid production, but the concentrated solution of nitrate is sent to further treatment.