Invention relates to the fields of chemistry, optics, and materials science. Method for obtaining potassium-phosphate-germanate glass containing molybdenum oxide as modifier. Method includes preparing charge from potassium carbonate, germanium oxide, ammonium dihydrogen phosphate, and molybdenum oxide in an amount of 5 to 30 mol%. Method involves heating mixture first to 700 °C to completely stop the release of gaseous products, and then to 1000 °C, followed by homogenization for 1 hour; resulting glass is rapidly cooled on copper sheet. This method allows the homogenization temperature to be reduced by 300 °C and enables the production of homogeneous glasses with isotropic properties free of crystalline phase impurities.