

The invention relates to the field of water treatment and can be used for purifying water of uranium in mineral resource, chemical, atomic and other fields of industry. A method for purifying water of uranium is performed on ultrafilter with pores diameter of 20-30 nm and medium pH of 8-11. Use of this invention allows a high degree of water purification (92.0-95.5 %) with increasing the membranes productivity by 17.5-19.5 times as compared with known analogues.