

Invention relates to methods for laboratory testing of contaminated waters and can be applied for studying and investigating optimal conditions during the development of equipment for water purification, hydrogen production, and mineral salt recovery during the reclamation of contaminated waters by mining, industrial, or other enterprises. Stand for laboratory testing of mine water includes a water intake tank connected to a mechanical pre-treatment filter, a water supply pump, a reverse osmosis module with a pressure gauge, a water flow meter, and permeate and retentate collection tanks; wherein the retentate collection tank is connected in series, via an evaporator to which a tank for collecting mineral salts is attached, to an electrolyzer and a hydrogen adsorber.