

Method for obtaining crystalline salt of neodymium(III)-containing polyoxotungstate with Peacock-Weakley anion involves the sequential addition of solutions of sodium tungstate, nitric acid, and neodymium(III) nitrate in stoichiometric proportions, wherein solution is then salted out by adding 96% ethanol, and solution containing crystals is kept in tightly sealed beaker at 6 °C for 48 hours. It is then filtered, rinsed with mixture of water and ethanol (1:1) cooled to 6 °C, and air-dried at 18-22 °C for 24 hours.