

Figure 1 - Infrared spectrum of $\text{MnU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$

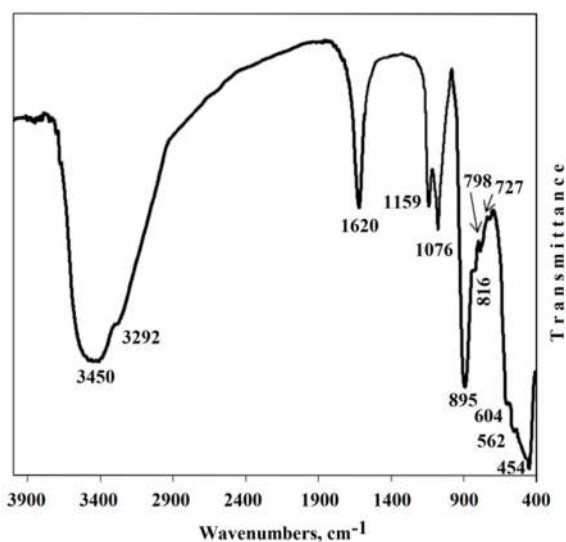


Figure 2 - Infrared spectrum of $\text{NiU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$

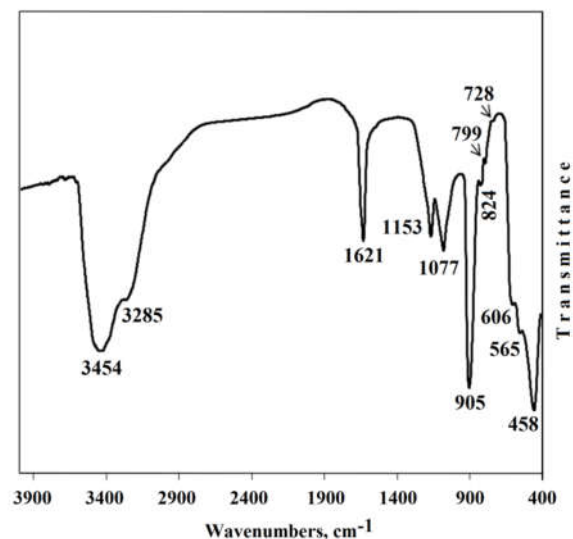


Figure 3 - Infrared spectrum of $\text{ZnU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$

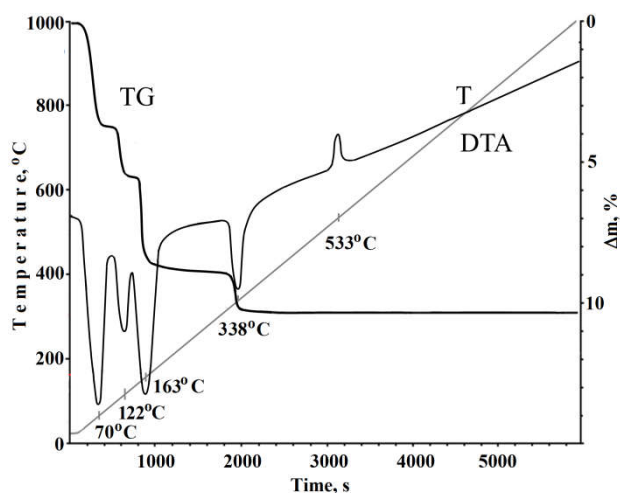


Figure 4 – Thermogravimetric (TG) and differential thermal analysis (DTA) curves for $\text{MnU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$ (T – temperature)

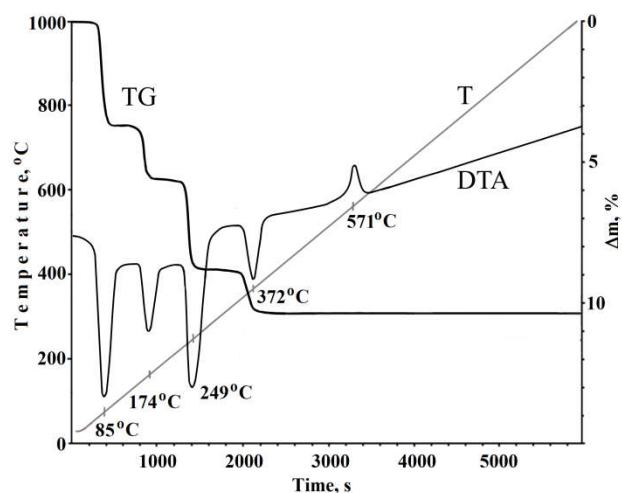


Figure 5 – Thermogravimetric (TG) and differential thermal analysis (DTA) curves for $\text{NiU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$ (T – temperature)

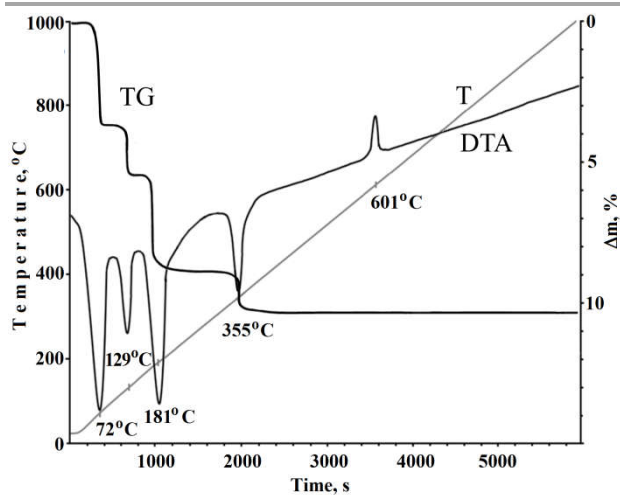


Figure 6 – Thermogravimetric (TG) and differential thermal analysis (DTA) curves for $\text{ZnU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$ (T – temperature)

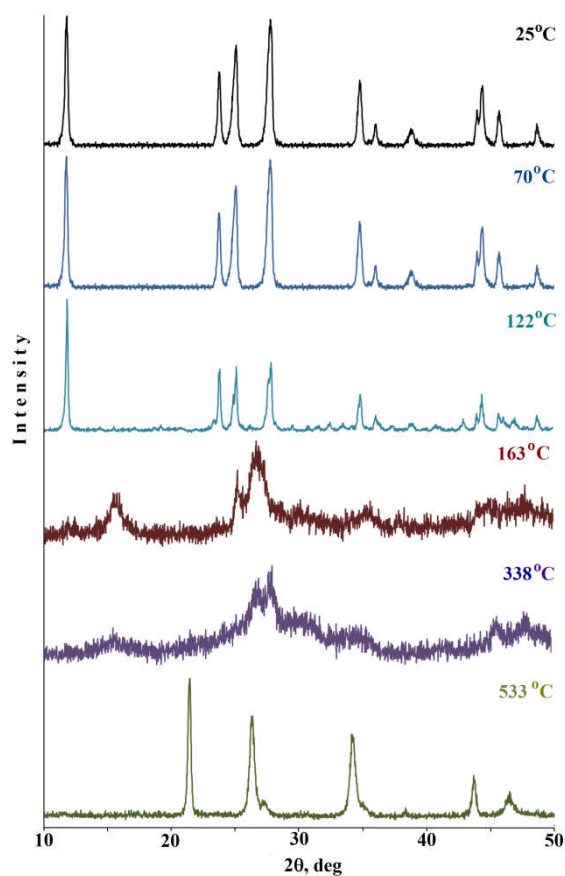


Figure 7 - X-ray diffraction patterns of the dehydration products of $\text{MnU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$

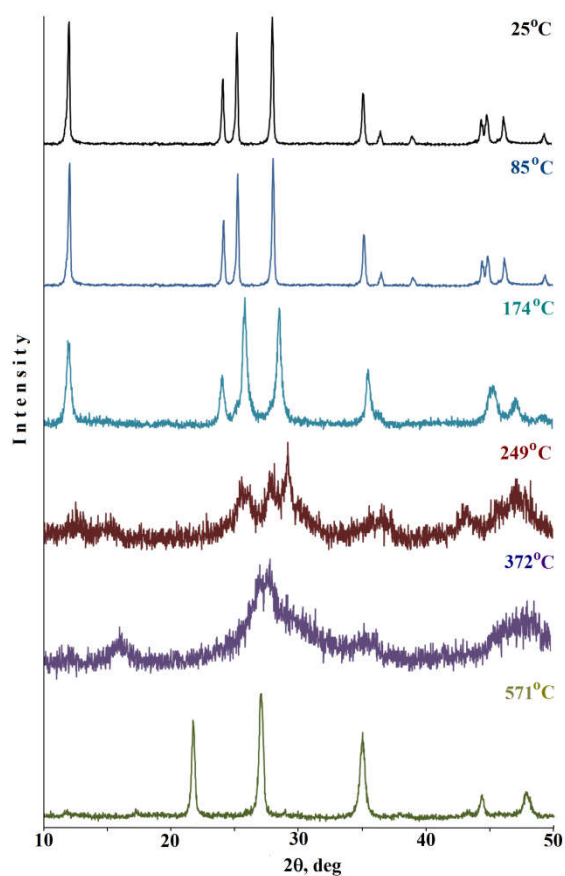


Figure 8 - X-ray diffraction patterns of the dehydration products of $\text{NiU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$

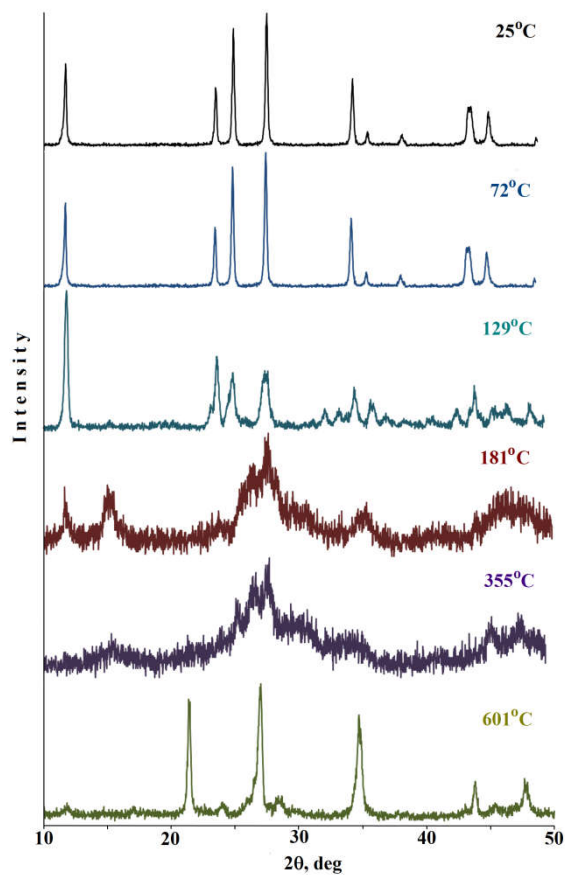


Figure 9 - X-ray diffraction patterns of the dehydration products of $\text{ZnU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$

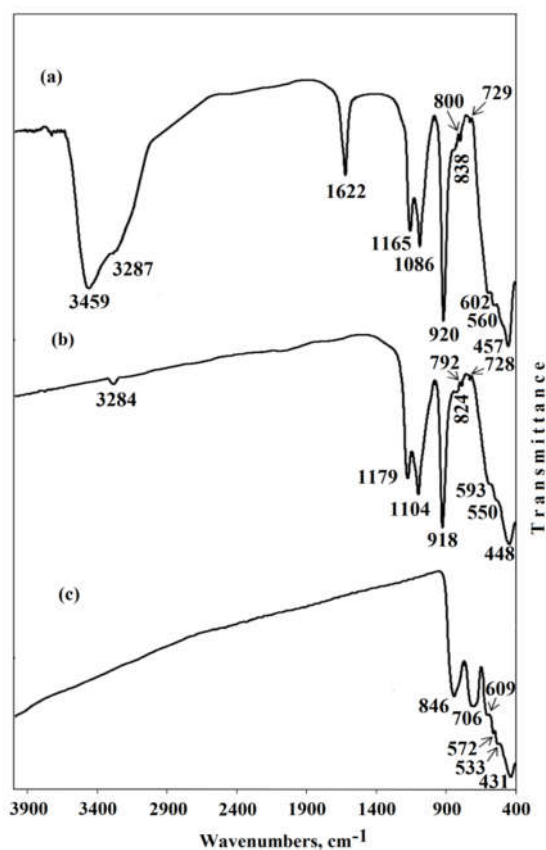


Figure 10 - Infrared spectra of $\text{MnU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$ (a) and its degradation products at 163°C (b); 533°C (c)

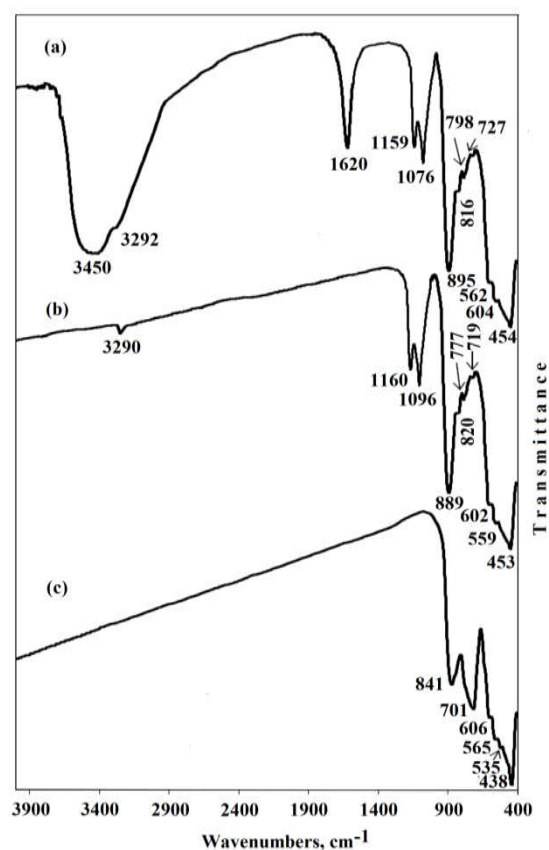


Figure 11 - Infrared spectra of $\text{NiU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$ (a) and its degradation products at 249°C (b); 571°C (c)

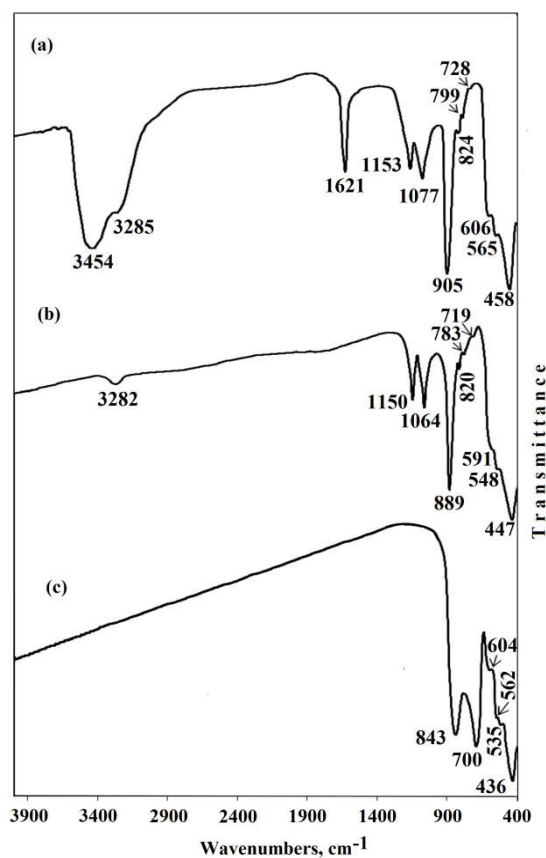


Figure 12 - Infrared spectra of $\text{NiU}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$ (a) and its degradation products at 181°C (b); 601°C (c)

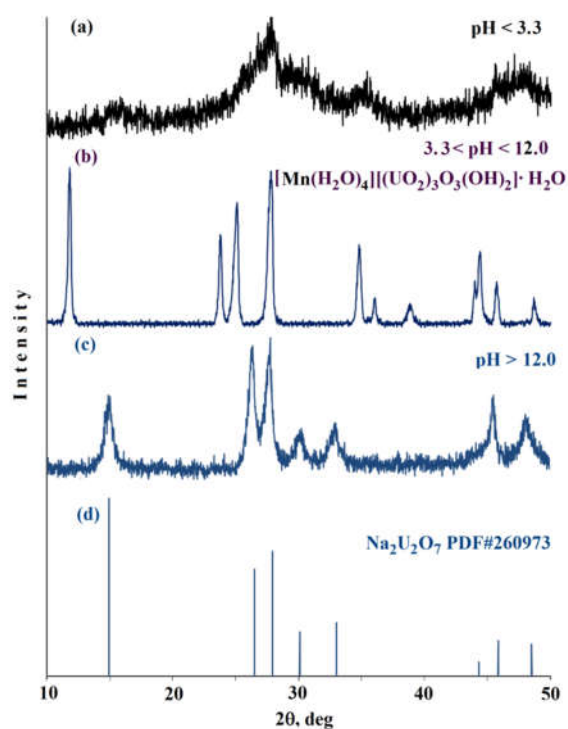


Figure 13 - X-ray diffraction patterns of solids in the « $[\text{Mn}(\text{H}_2\text{O})_4][(\text{UO}_2)_3\text{O}_3(\text{OH})_2] \cdot \text{H}_2\text{O}(\text{cr})$ —aqueous solution» system (a, b, c – experimental data; d - literature data)

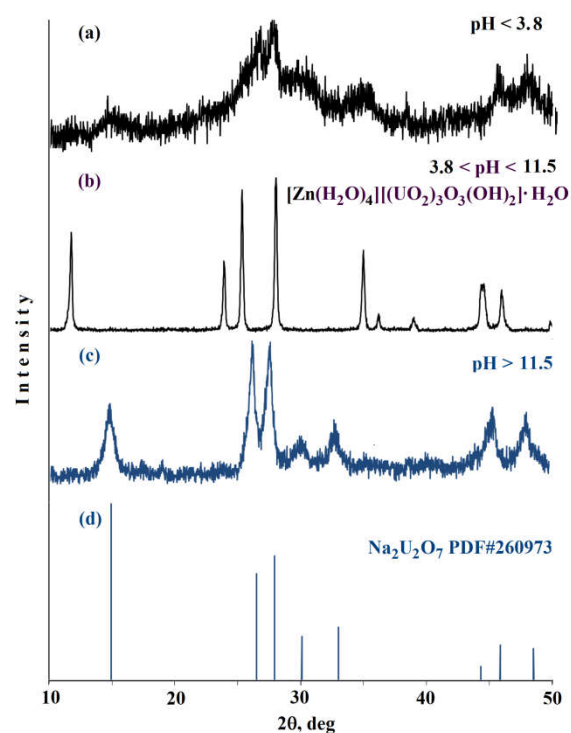


Figure 14 - X-ray diffraction patterns of solids in the « $[\text{Zn}(\text{H}_2\text{O})_4][(\text{UO}_2)_3\text{O}_3(\text{OH})_2] \cdot \text{H}_2\text{O}(\text{cr})$ —aqueous solution» system (a, b, c – experimental data; d - literature data)