

Article

# Synthesis of Samarium Oxysulfate $\text{Sm}_2\text{O}_2\text{SO}_4$ in the High-Temperature Oxidation Reaction and Its Structural, Thermal and Luminescent Properties

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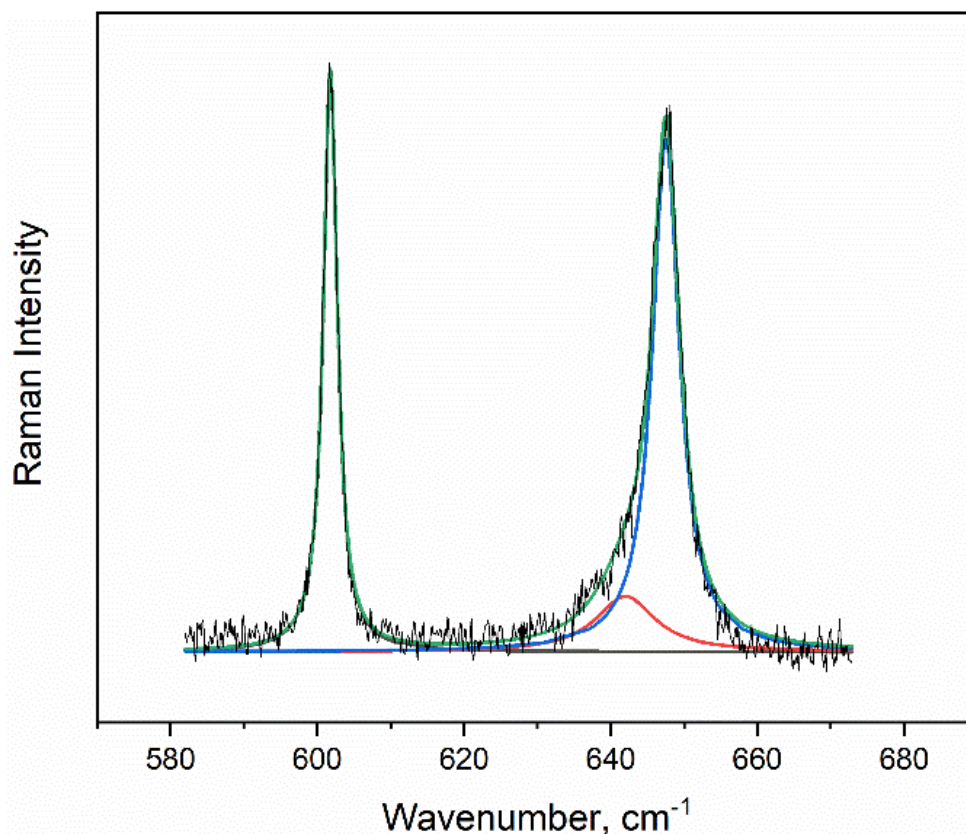
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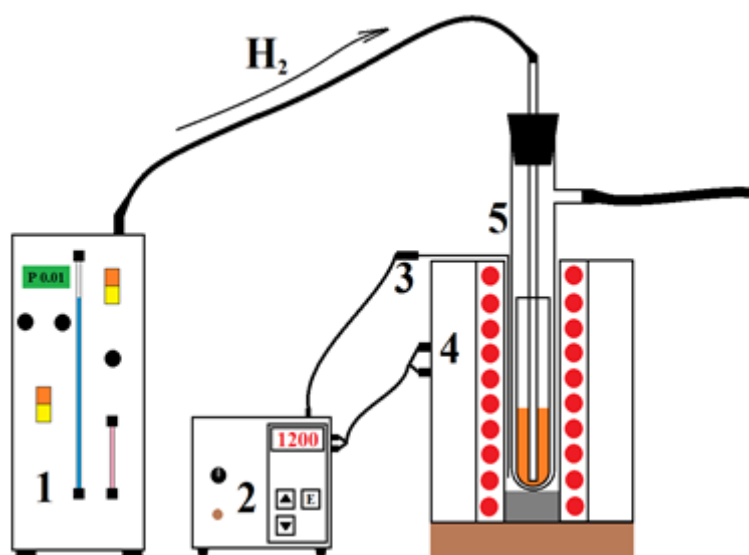
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**Figure S1.** Decomposition of the  $\text{Sm}_2\text{O}_2\text{SO}_4$  Raman spectrum in the range of  $\nu_4$  vibrations of  $[\text{SO}_4]^{2-}$  ions.



**Figure S2.** Installation scheme of processing substances in a stream of hydrogen: 1 - a hydrogen generator; 2 - power control unit of electricity supplied to the furnace; 3 - Thermocouple; 4 - electric heating furnace; 5 - reactor with the processed substance

