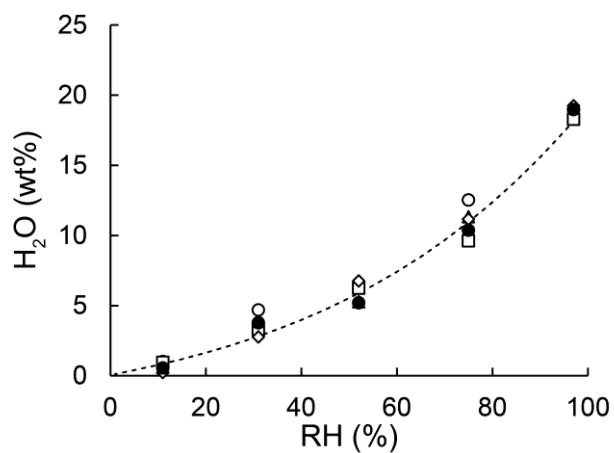


## **Supporting Information**

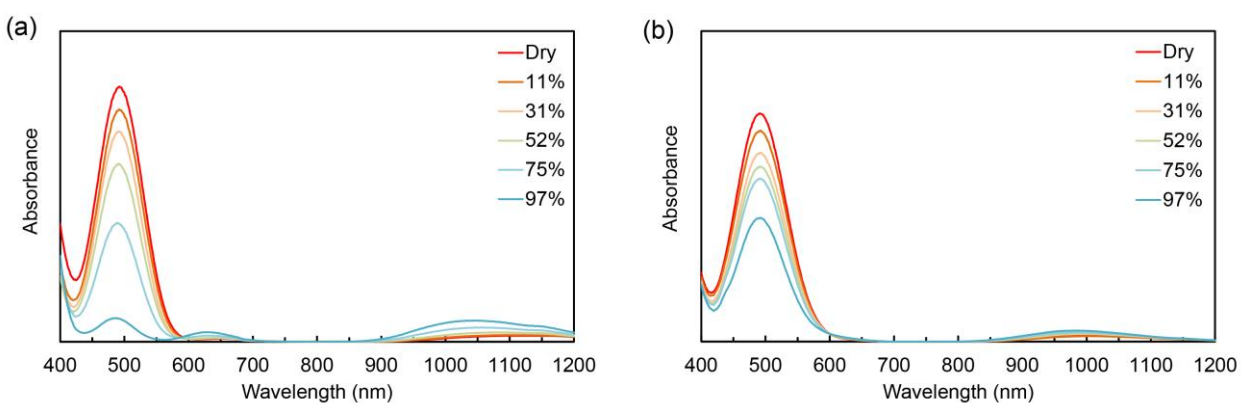
### **Colorimetric Humidity and Solvent Recognition Based on a Cation-Exchange Clay Mineral Incorporating Nickel(II)-Chelate Complexes**

*Hitoshi Hosokawa and Tomoyuki Mochida\**

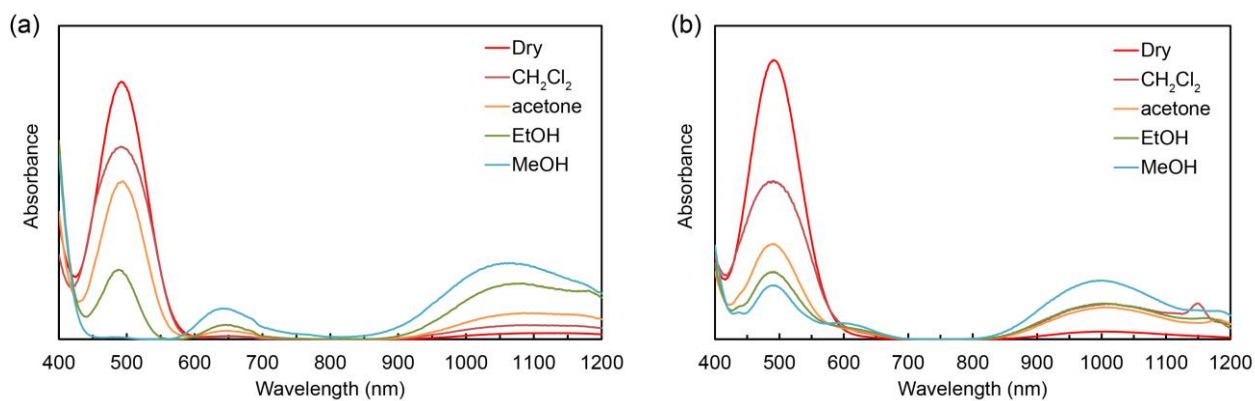
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**Figure S1.** Content of water absorbed in [X]-SAP ( $X = 1$  ( $\circ$ ),  $2$  ( $\Delta$ ),  $3$  ( $\square$ ),  $4$  ( $\diamond$ ), and  $5$  ( $\bullet$ )) under different humidities. The dashed lines are guides for the eye.



**Figure S2.** Vis-NIR spectra of (a) [4]-SAP and (b) [5]-SAP under various humidities.



**Figure S3.** Vis-NIR spectra of (a) [4]-SAP and (b) [5]-SAP immersed in various solvents.