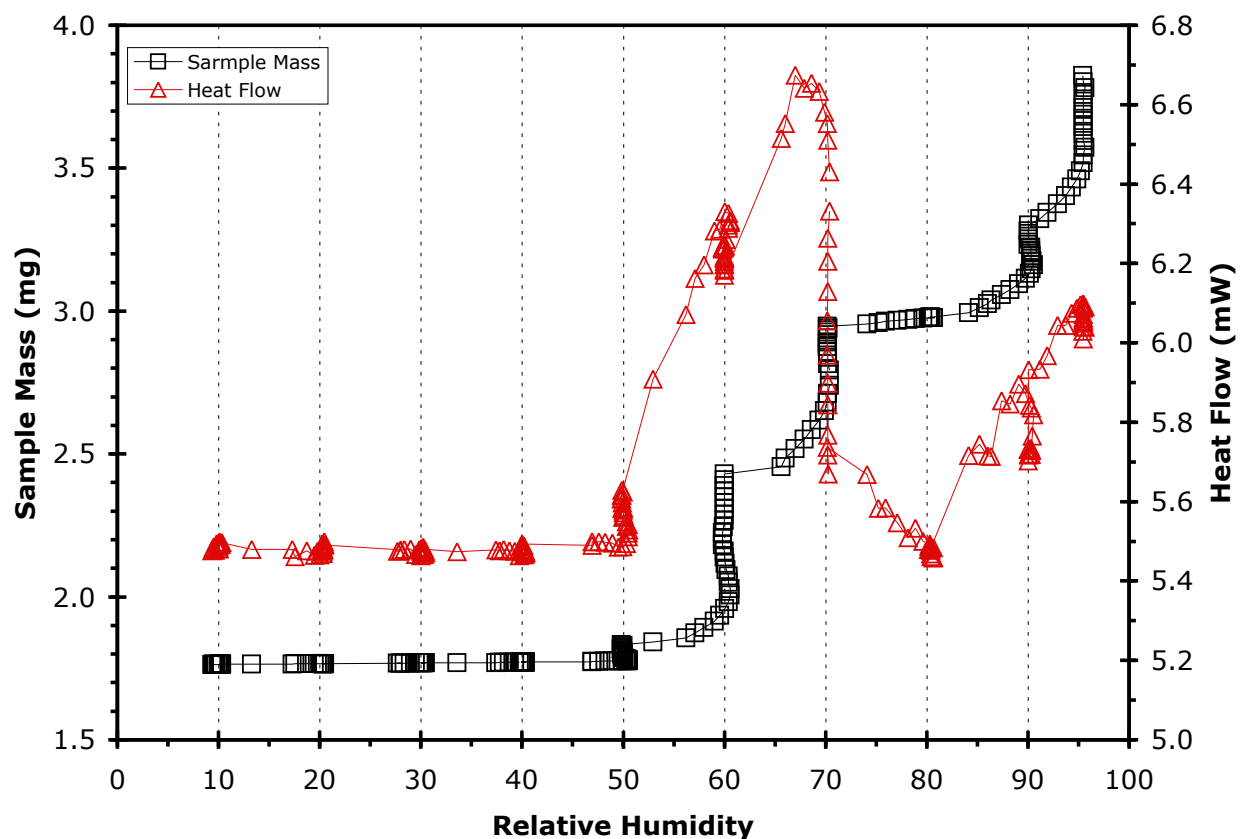


# DRH and Reversible Non-Deliquescent Water Uptake in the Sodium Salts of Succinic Acid

*Keith D. Beyer\**

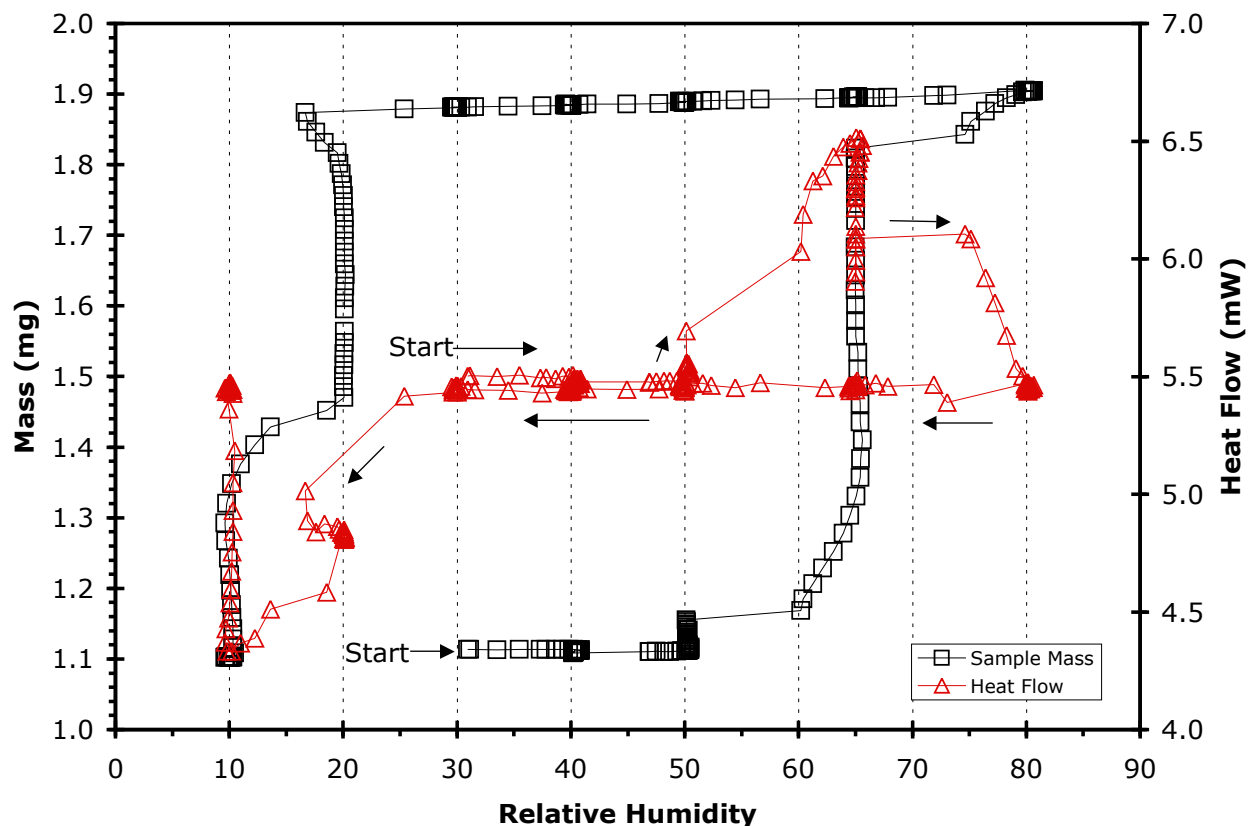
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54601

## Supporting Information



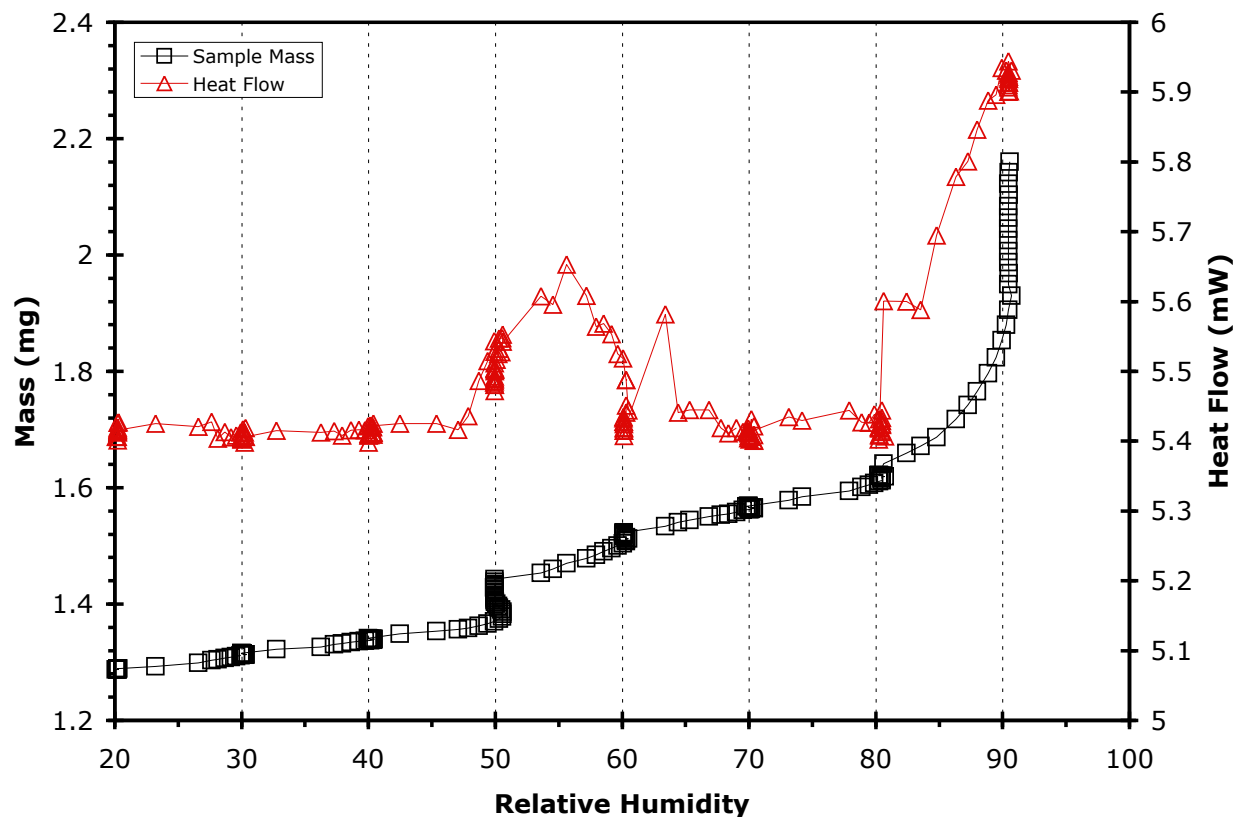
**Figure S1.** Alternate plot of mass and heat flow for a dry  $\text{Na}_2\text{C}_4\text{H}_4\text{O}_4$  sample as a function of Relative Humidity (RH) at 298.1 K from 10 to 95% RH (same data as Figure 2). An increase in sample mass accompanied by heat from the sample (increase in heat flow) indicates water uptake by the sample.

# Supporting Information



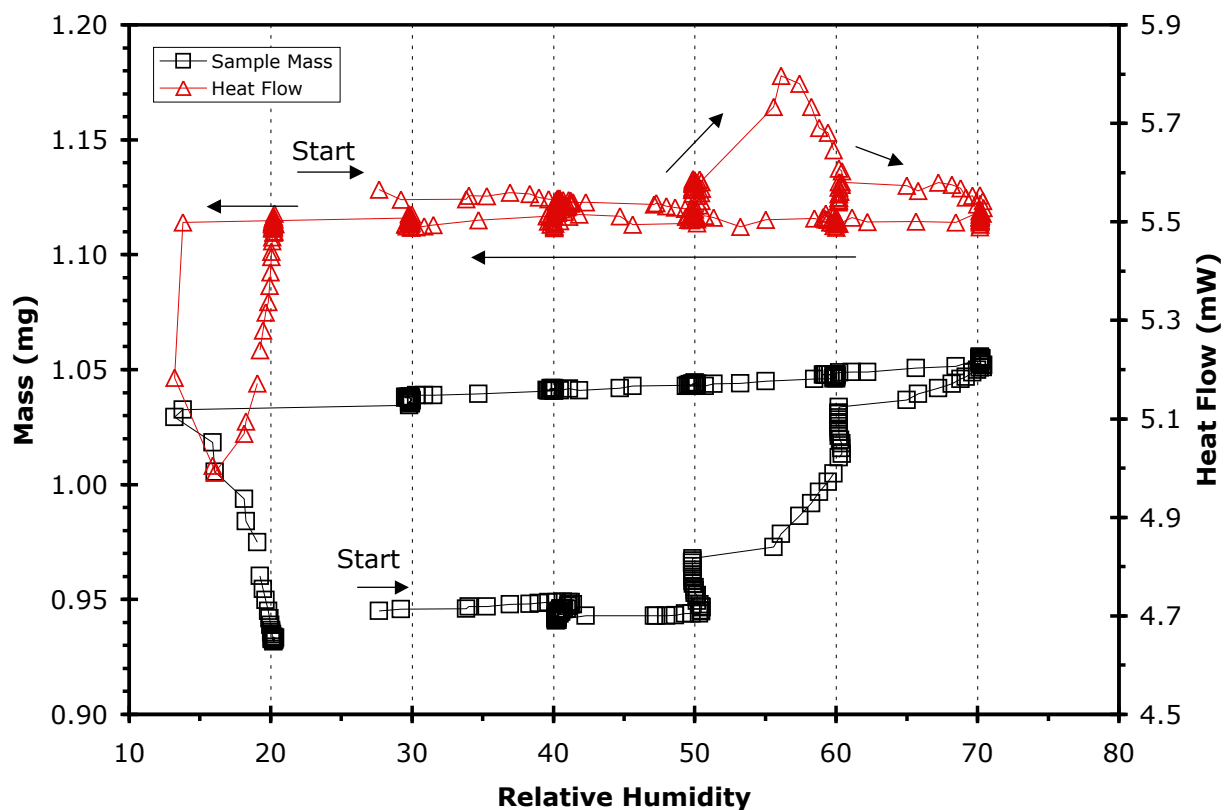
**Figure S2.** Alternate plot of mass and heat flow for a dry  $\text{Na}_2\text{C}_4\text{H}_4\text{O}_4$  sample as a function of Relative Humidity (RH) at 298.3 K (same data as Figure 3). Arrows indicate the start of the experiment at 30% RH and subsequent increase in RH in steps up to 80% RH, then decrease in steps to 10% RH. Connecting lines show the path of the experiment. Arrows also indicate the experiment path for the Heat Flow signal since many data points are coincident.

# Supporting Information



**Figure S3.** Alternate plot of mass and heat flow for a dry  $\text{NaHC}_4\text{H}_4\text{O}_4$  sample as a function of Relative Humidity (RH) at 298.1 K from 10 to 90% RH (same data as in Figure 5). An increase in sample mass accompanied by heat from the sample (increase in heat flow) indicates water uptake by the sample.

# Supporting Information



**Figure S4.** Alternate plot of mass and heat flow for a dry  $\text{NaHC}_4\text{H}_4\text{O}_4$  sample as a function of Relative Humidity (RH) at 298.2 K (same data as in Figure 6). Arrows indicate the start of the experiment at 27% RH and subsequent increase in RH in steps up to 70% RH, then decrease in steps to 20% RH. Connecting lines show the path of the experiment. Arrows also indicate the experiment path for the Heat Flow signal since many data points are coincident.