Supporting Information

Vibrational energy redistribution and vibrational dynamics of methanol mixed with Rhodamine101 dye

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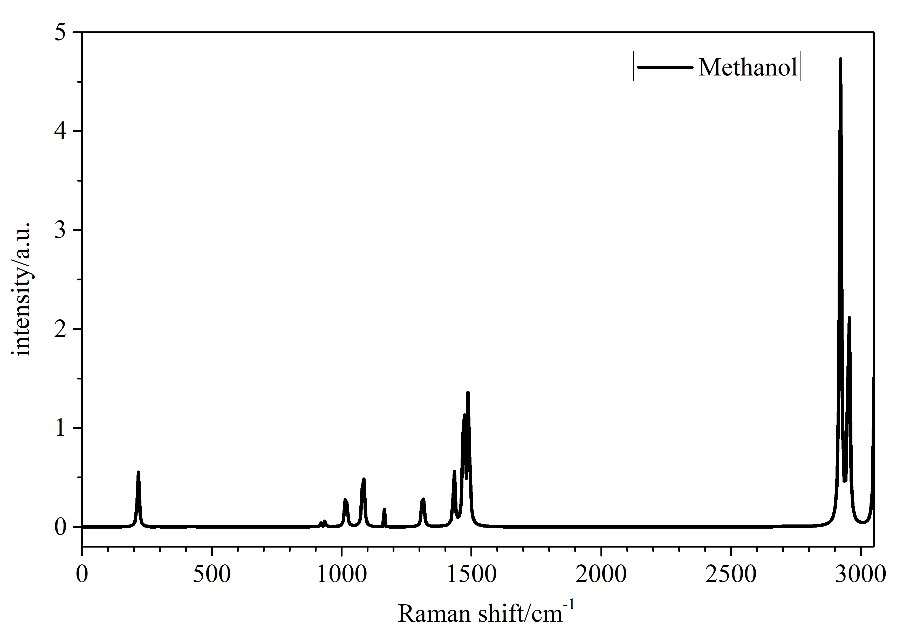


Figure 1. Raman spectrum of methanol

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| --- | --- | --- | --- |
| Symmetry (Cs) | | Vibrational modes/cm-1 | Assignment |
| Aˊ  Aˊ  Aˊ  Aˊ  Aˊ  Aˊ  Aˊ  Aˊ  Aˊˊ  Aˊˊ  Aˊˊ  Aˊˊ | 3628  2993  **2834**  1464      1107  1033  **2940**  1464  1165  246 | | OH str  CH3 d-str  CH3 s-str  CH3 d-deform (OV)      CH3 rock  CO str  CH3 str  CH3 deform (OV)  CH3 rock  torsion |

Table 1. Vibrational assignment of methanol in the liquid phase

OV represents vibrational bands overlapping