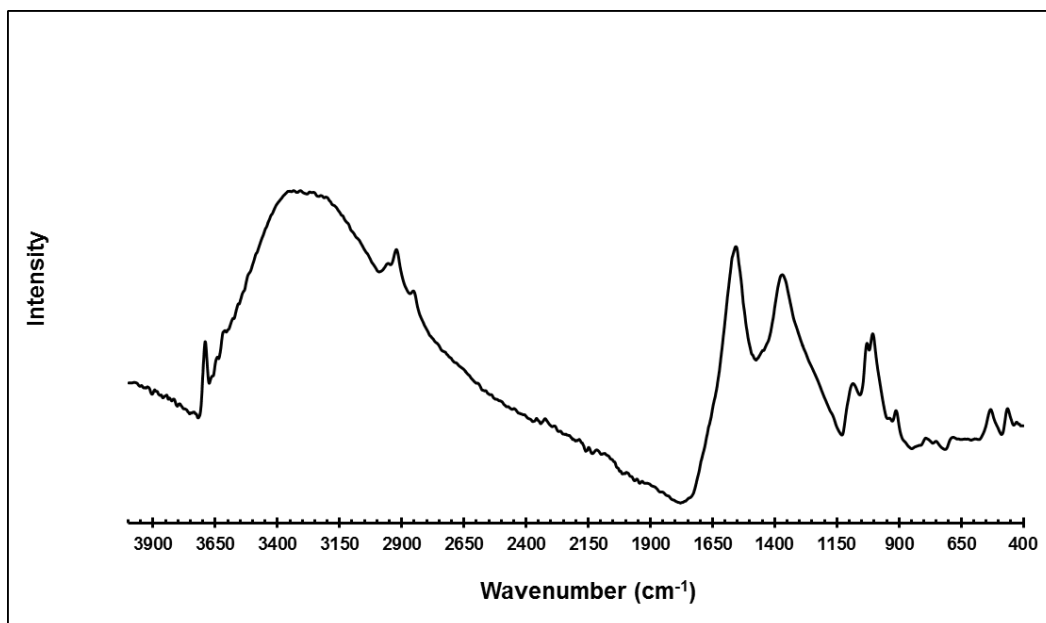


Supplemental Material Figure 1. N₂ adsorption–desorption isotherms of (a) Y-Na⁺ and Y, (b) D-Na⁺ and D, (c) K-Na⁺ and K.



Supplemental Material Figure 2. IR spectrum of humic acid using the ATR technique