

Supporting information

Investigations on the mechanism, kinetic and isotherm of ammonium and humic acid co-adsorption at low temperature by 4A-molecular sieve modified from attapulgite

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1. Determination of pH_{zpc} of 4A-molecular sieve

The pH_{zpc} of 4A-molecular sieve was determined by pH drift procedure, and the data was shown in Fig. S1. It can be seen from the Fig. S1, the pH_{zpc} of 4A-molecular sieve was around 4.11.

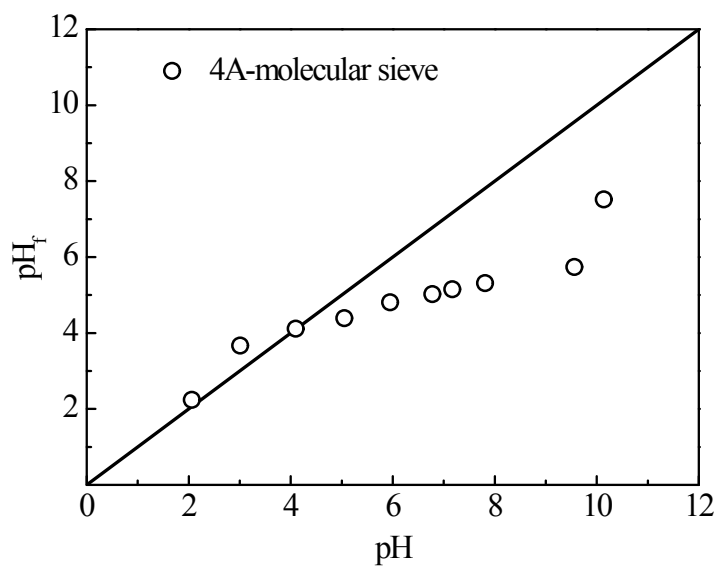


Fig. S1 Surface charge analysis of 4A-molecular sieve