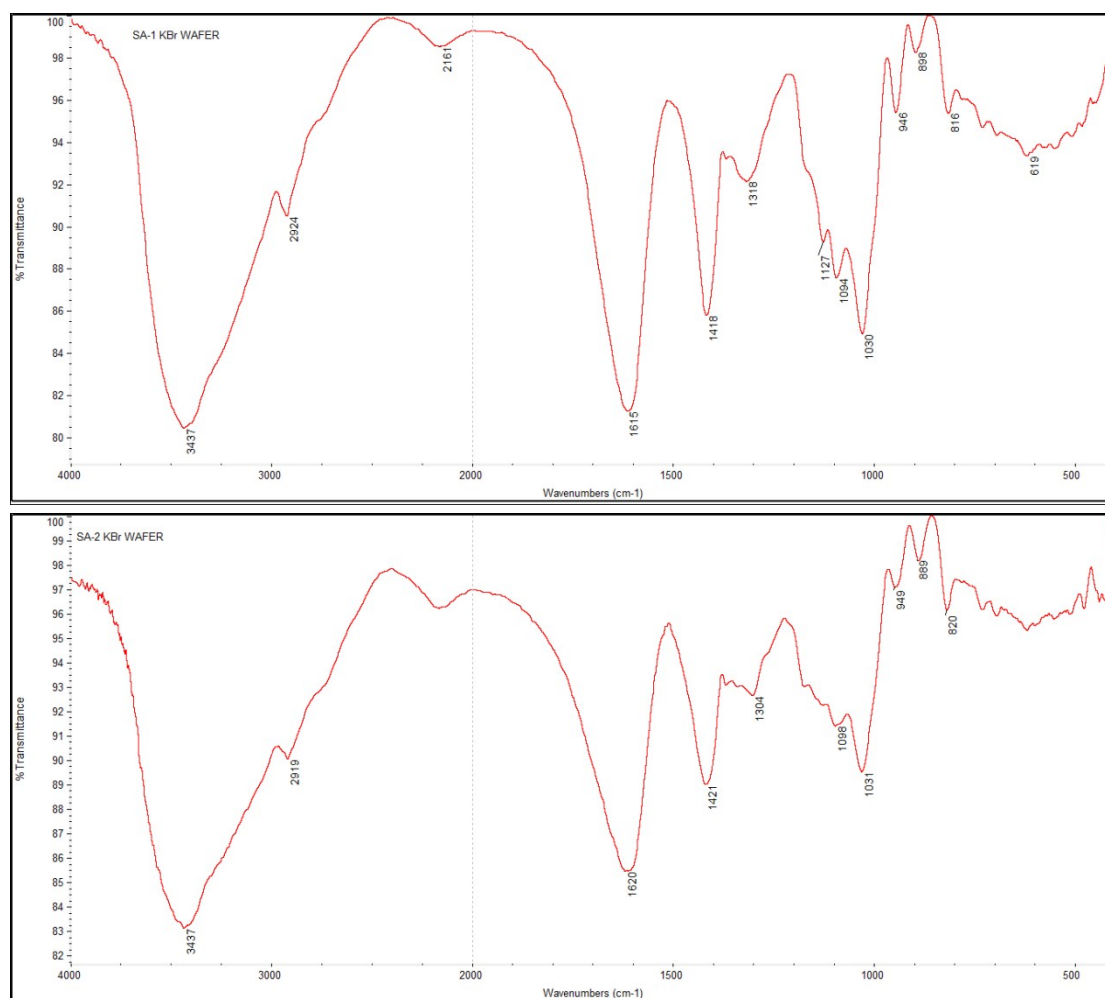


## **Electronic Supplementary Information**

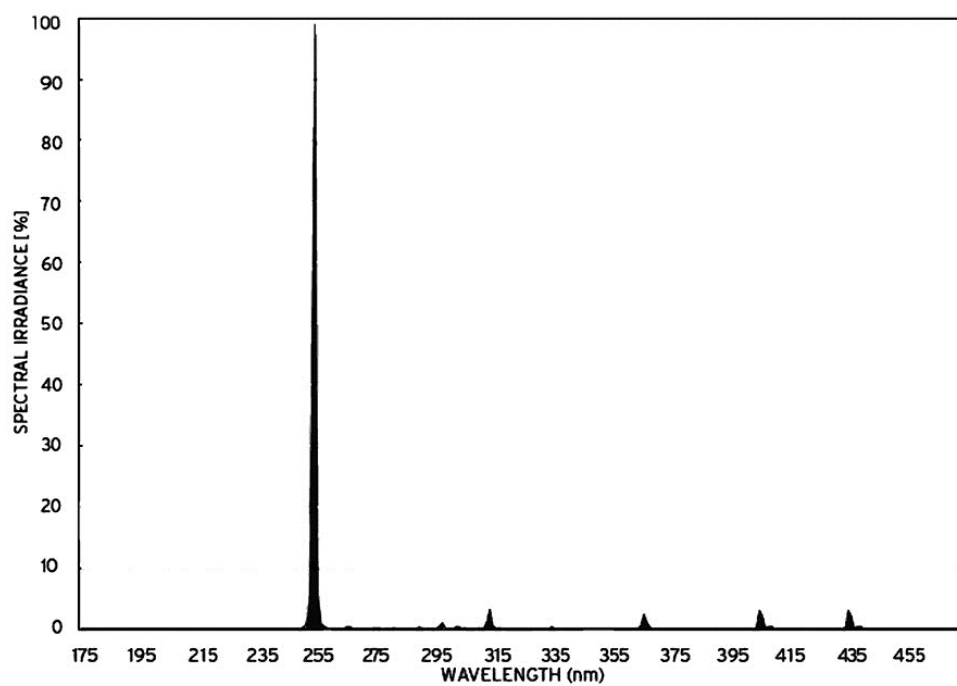
### **Effect of Sodium Alginate on UVC Inactivation of Coliphage MS2**

Anan Song <sup>a</sup>, Xiang Liu <sup>a\*</sup>, Yi Zhang <sup>a</sup>, Yan Liu <sup>a</sup>

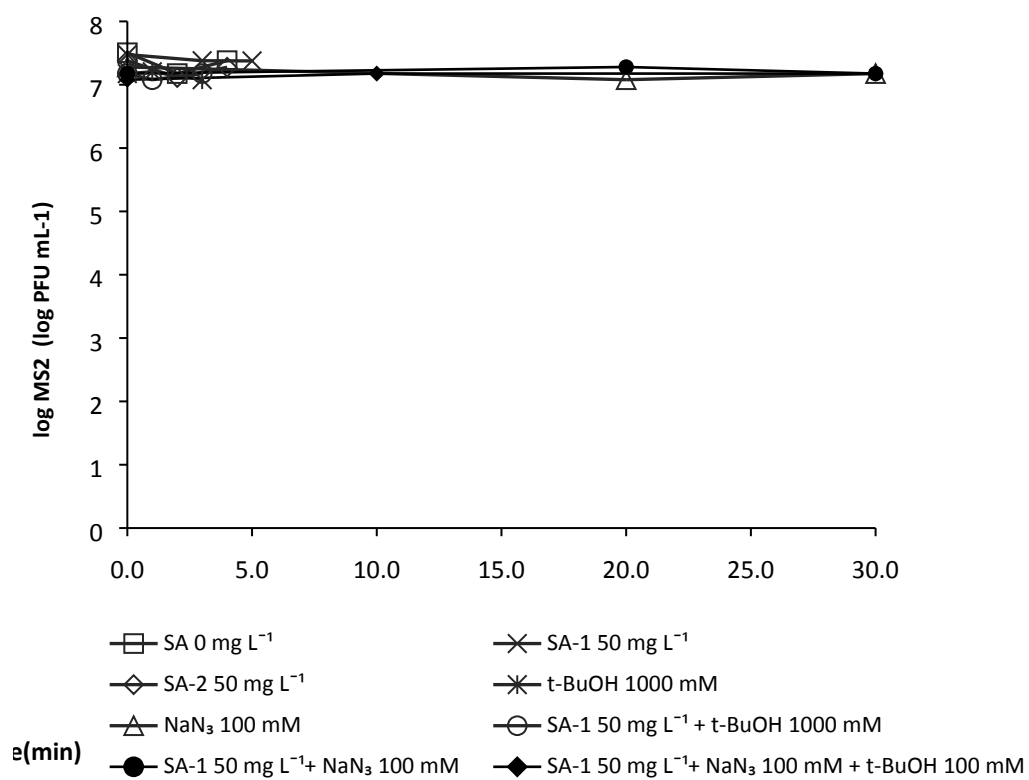
<sup>a</sup>Department of Environmental Science and Engineering, Fudan University, 220 Handan Road, Shanghai, China. Phone: 86-21-6564-2018; Fax: 86-21-6564-3597



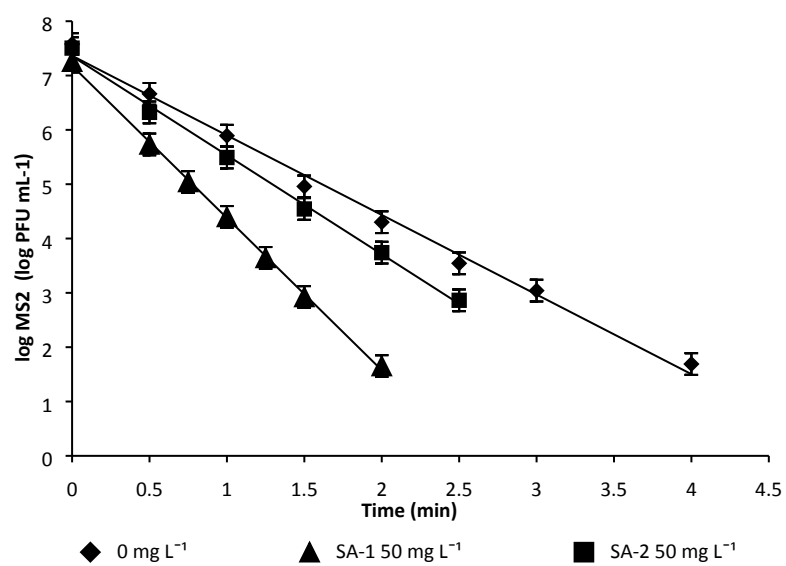
**Fig.S1 FTIR spectra for SA-1 and SA-2.**



**Fig. S2 Emission spectrum (relative spectral energy distribution) for the UV lamp used.**



**Fig. S3 Dark control results under various conditions.**



**Fig. S4** An example of the First-order kinetic analysis (linear correlation) for UV inactivation with or without SA.