

*Supplementary Data*

**Catalytic ozonation of Reactive Red 195 in aqueous solution over a**

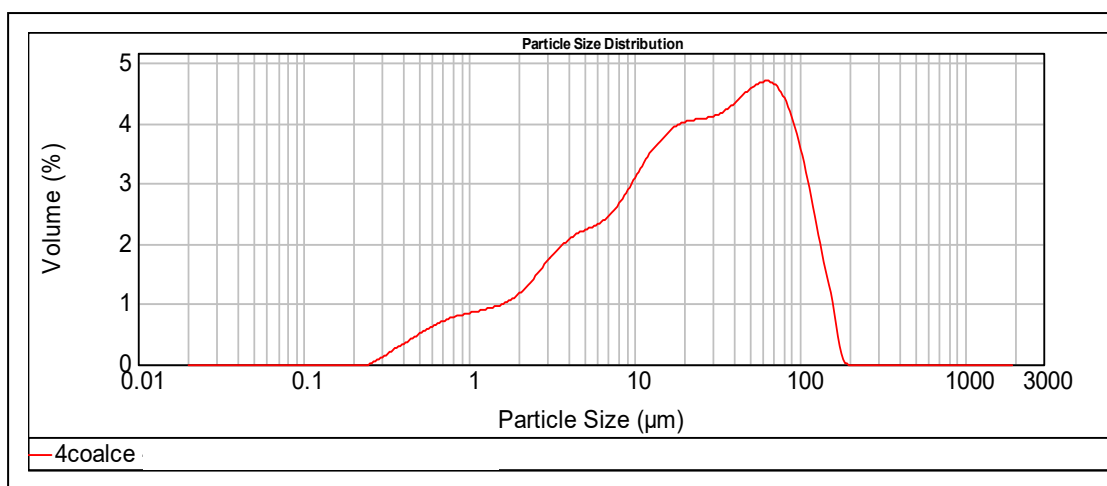
**Co/Al<sub>2</sub>O<sub>3</sub>-CeO<sub>2</sub> catalyst**

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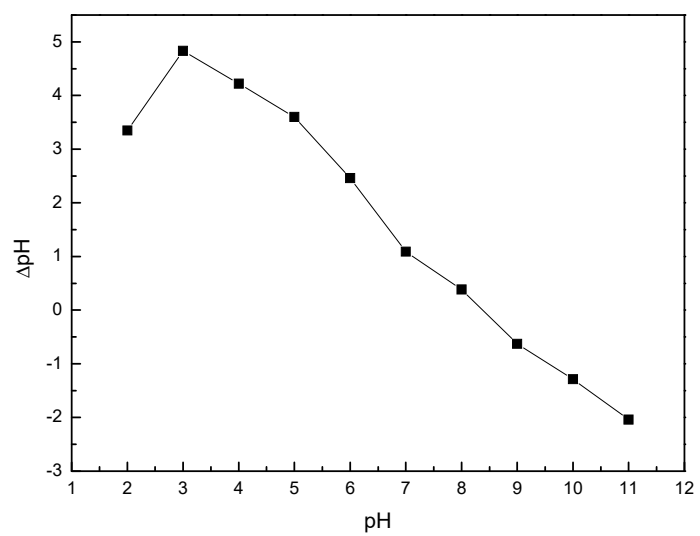
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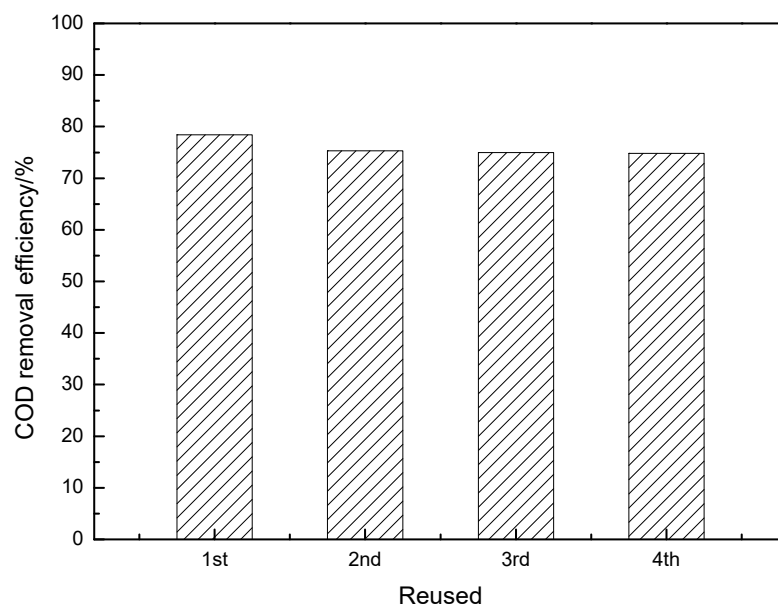
Email address: lbh1225@hqu.edu.cn.



**Figure S1.** The particle size distribution of the catalyst



**Figure S2.** The  $\text{pH}_{\text{PZC}}$  value of catalyst



**Figure S3.** The effect of catalyst recycle times on the ozonation of RR 195. (RR 195 concentration 400 mg/L, catalyst dosage 3 g/L, gas flow 200 mL/min, ozone flow 15mg/min, pH 8, reaction time 20 min)