

## Electronic Supporting Information

### **A molybdovanadophosphate-based surfactant encapsulated heteropolyanion with multi-lamellar nano-structure for catalytic wet air oxidation of organic pollutant under ambient conditions**

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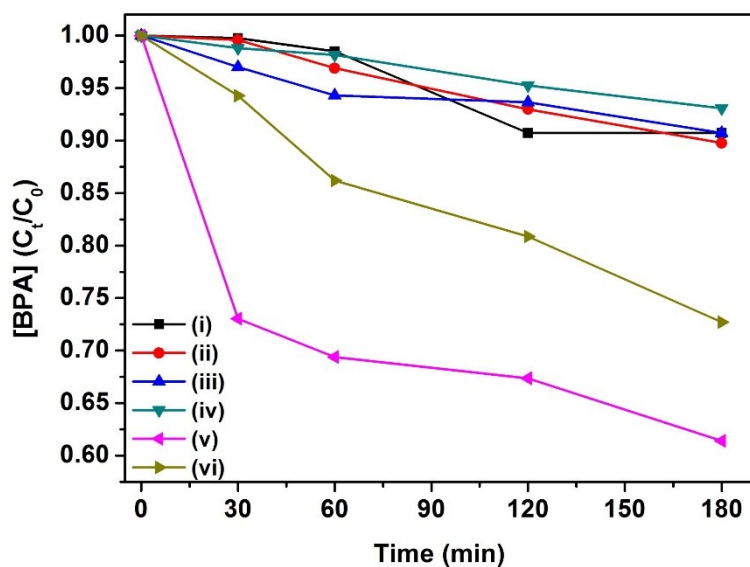
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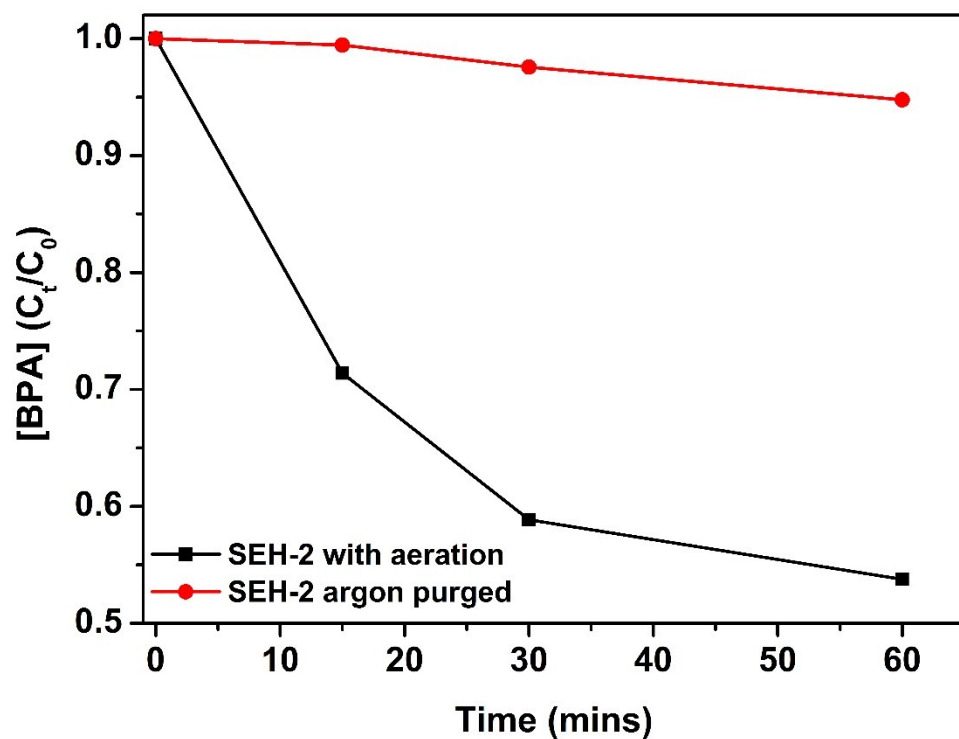
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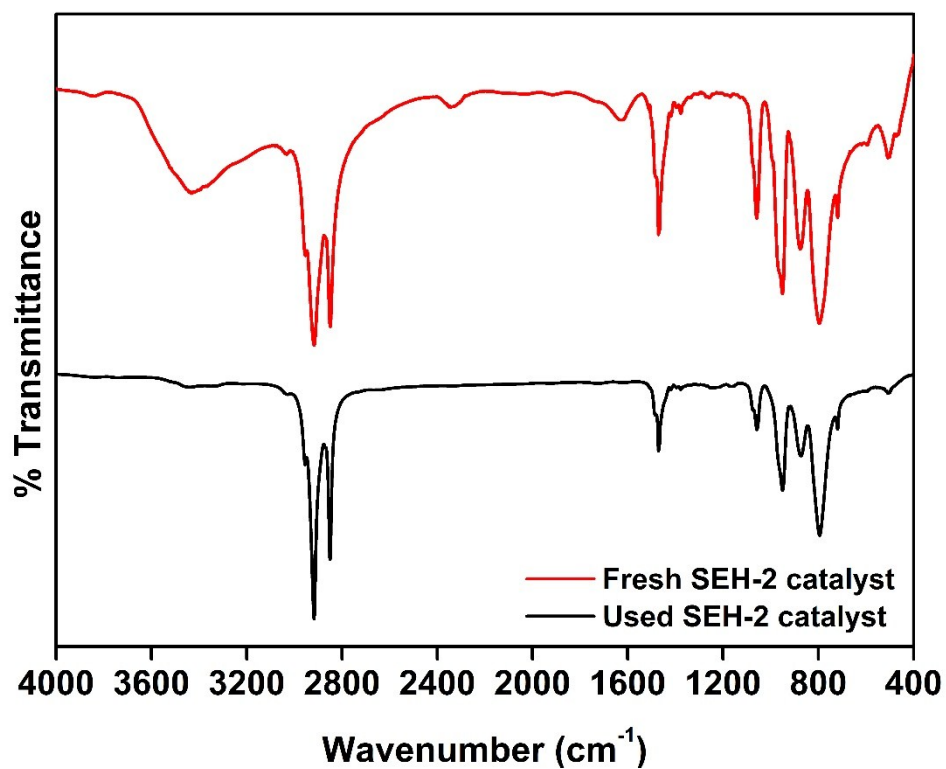
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**Figure S1** BPA removal without aeration by (i) DMDOA:MVPA-2 2:1, (ii) DMDOA:MVPA-2 3:1 prepared with chloroform : *n*-butanol in 3:1 ratio; and (iii) DMDOA:MVPA-2 5:1 in pure chloroform. BPA removal with aeration by (iv) DMDOA:MVPA-2 2:1, (v) DMDOA:MVPA-2 3:1 prepared with chloroform : *n*-butanol in 3:1 ratio; and (vi) DMDOA:MVPA-2 5:1 in pure chloroform.



**Figure S2** BPA removal using SEH-2 with aeration and in argon purged solution, showing limited adsorption effects in the absence of oxygen.



**Figure S3** FTIR spectrum of fresh SEH-2 and used SEH-2. Fresh catalyst exhibit characteristic peaks of water, while the used catalyst shows no presence of water after drying post usage. The Characteristic peaks of MVP-2 and DMDOA are consistent before and after catalytic procedure.