

## One pot oxidative esterification of benzaldehyde over supported Cs-salt of mono nickel substituted phosphotungstate

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### SI-1. Decomposition of H<sub>2</sub>O<sub>2</sub>

Decomposition study of H<sub>2</sub>O<sub>2</sub> with different amount of 30% PW<sub>11</sub>Ni/ZrO<sub>2</sub> was carried out by taking benzaldehyde (0.01 mol), H<sub>2</sub>O<sub>2</sub> (0.03 mol) and methanol (5 mL) in a 100 mL batch reactor provided with a double walled air condenser, magnetic stirrer, and a guard tube. The reaction mixture was refluxed at 80 °C for 3 h. The product was extracted with dichloromethane and the aqueous phase was collected. After appropriate dilution of aqueous phase, the % of H<sub>2</sub>O<sub>2</sub> was estimated by iodometrically.

**Table S1. Decomposition of H<sub>2</sub>O<sub>2</sub>**

Amount of catalyts	% Decomposition of H <sub>2</sub> O <sub>2</sub>
7.5	47.8
10	50.0
20	63.6
30	70.3
40	82.9

Mole ratio (benzaldehyde/ H<sub>2</sub>O<sub>2</sub>) (1:3), temperature (80 °C), time (3 h), amount of methanol (5 ml).