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Table S1 The effect of PH₃ content on purification efficiency

Oxygen volume fraction	PH ₃ content before purification	PH ₃ content after purification	Purification efficiency
(%)	$(mg \cdot m^{-3})$	$(mg \cdot m^{-3})$	(%)
1.6	350	0	100
1.6	550	0	100
1.6	750	0	100
1.6	900	0	100

Experimental conditions: Adsorbent = flower-shaped CuO, Load capacity=19.35%, Bed height=25.5 cm, T=110 $^{\circ}$ C and GHSV=750 h⁻¹.