Table 1

The preparation and specific surface area of the $La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$ catalysts

Catalysts ID	Composition	W/P*	W/B*	SSA*
LMBA-1	$La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$	1:1	1:1	35.5
LMBA-2	$La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$	1:1	1:2	53.0
LMBA-3	$La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$	1:1	1:3	64.7
LMBA-4	$La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$	1:1	1:4	54.7
LMBA-5	$La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$	1:0	1:2	17.3
LMBA-6	$La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$	1:3	1:1	28.0
LMBA-7	$La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$	1:4	1: 2	22.5
LMBA-8	$La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$	1:5	1: 4	27.0
LMBA-9	$La_{0.95}Ba_{0.05}MnAl_{11}O_{19}$	1:1	1:0	15.5

*Notes: Preparation: $M(OR)_x$/water=1/100 (mole ratio); W/P, the volume ratio of water to 2-propanol; W/B, the volume ratio of water to n-butanol; SSA, Specific surface area