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Supplementary data

Influence of Template Content on Selective Synthesis of SAPO-18, SAPO-18/34 Intergrowth and SAPO-34 Molecular Sieves Used for Methanol-to-Olefins Process

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Table S1. The carbon content and calculated template weight content of as-synthesized samples.

Sample	Carbon content[a] (wt%)	Template content calculated based on $(CH_3CH_2)_4N$-OH (wt%)	Template content calculated based on $(CH_3CH_2)_4N^+$ (wt%)
1.6T (SAPO-18)	15.68	24.03	21.26
2.0T (SAPO-18/34)	12.15	18.63	16.48
2.4T (SAPO-34)	10.82	16.59	14.67

[a] Carbon content (wt%)= The mass of carbon of as-synthesized sample/ The mass of as-synthesized sample× 100%.

The carbon content of the deactivated catalysts (methanol conversion was less than 50%) were measured on a HIR-944B infrared carbon and sulfur analyzer (Wuxi High-speed analyzer Co., China), samples were dried before analysis. The mass percentage of templates for as-synthesized samples were calculated based on $(CH_3CH_2)_4N$-OH or $(CH_3CH_2)_4N^+$ respectively.