عنوان فارسی مقاله:
هیدروژن کاری LCO با استفاده از W-Ni و Mo-Ni پشتیبانی شده با زئولیت بتای نانو و میکرو اندازه‌گیری انجام می‌شود.

عنوان انگلیسی مقاله:
LCO hydrotreating with Mo-Ni and W-Ni supported on nano- and micro-sized zeolite beta

توجه!
این فایل شامل قسمتی از ترجمه می‌باشد. برای به دست‌آوردن کپی‌سیتی، برای کپی‌سیتی، اینجا کلیک کنید.
4. Conclusions

Comparisons of catalysts containing micro-sized and nano-sized zeolite beta particles identified no significant differences in pore structure, crystalline phases, or interactions between metals and supports. The W-Ni catalysts presented much longer average slab lengths and greater average numbers of slab layers than the Mo-Ni catalysts. The Mo-Ni nano-sized zeolite catalyst had slightly longer slabs and fewer slab layers than the micro-sized zeolite, while W-Ni nano-sized zeolite showed much shorter slabs and fewer slab layers.

The HDN and HDS activities of the Mo-Ni nano-sized zeolite catalyst were the same as those of the micro-sized zeolite catalysts, and the HDA activity was lower. For W-Ni series catalysts, the HDN, HDN, and HDA activities of the catalyst containing nano-sized zeolite beta were higher than those of the micro-sized zeolite catalyst. The two nano-sized zeolite catalysts gave higher liquid yields in hydrotreating LCO.