

Experimental Methods in Catalytic Research: Preparation and Examination of Practical Catalysts



Preparation and Examination of Practical Catalysts: Volume II deals with preparing and examining practical catalysts and provides useful accounts of methods used in catalytic research by specialists. The text covers topics such as molecular sieve zeolites - the estimation of zeolite purity and zeolite modification, the introduction of catalytically active components, and the methods of preparation and characterization of supported metal catalysts. Also covered are topics such as the use of the electron probe microanalyzer in catalysts, electron microscopy - related instruments, principles in scanning electron microscopy, and the principles and specimen preparation in transmission electron microscopy; Mossbauer spectroscopy, and microbalances in adsorption and catalysts. The book is recommended for chemists who would like to know more about the preparation and usage of catalysts, as well as the studies on the field.

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Based on laboratory-scale tests, the resulting material exhibits a catalytic . Table 3.1 Experimental Techniques for

Characterizing Catalysts and . If successfully developed, such techniques could be applied to the development of a

variety of practical **Chinese Journal of Catalysis Vol 37, Iss 10, Pgs 1579-1804** A Recommendation for Increased

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