

Accepted Manuscript

Title: Measurement and modeling of adsorption equilibria of cobalt (III) acetylacetonate on MCM-41 mesoporous silica in the presence of supercritical carbon dioxide with methanol co-solvent

Authors: Ikuo Ushiki, Mio Koike, Taichi Shimizu, Yoshiyuki Sato, Shigeki Takishima, Hiroshi Inomata



PII: S0896-8446(18)30155-4
DOI: <https://doi.org/10.1016/j.supflu.2018.06.015>
Reference: SUPFLU 4307

To appear in: *J. of Supercritical Fluids*

Received date: 6-3-2018
Revised date: 23-4-2018
Accepted date: 20-6-2018

Please cite this article as: Ushiki I, Koike M, Shimizu T, Sato Y, Takishima S, Inomata H, Measurement and modeling of adsorption equilibria of cobalt (III) acetylacetonate on MCM-41 mesoporous silica in the presence of supercritical carbon dioxide with methanol co-solvent, *The Journal of Supercritical Fluids* (2018), <https://doi.org/10.1016/j.supflu.2018.06.015>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Measurement and modeling of adsorption equilibria of cobalt (III) acetylacetonate on MCM-41 mesoporous silica in the presence of supercritical carbon dioxide with methanol co-solvent

Ikuo Ushiki ^{1*}, Mio Koike ², Taichi Shimizu ², Yoshiyuki Sato ², Shigeki Takishima ¹,
and Hiroshi Inomata ^{2**}

¹ Department of Chemical Engineering, Graduate School of Engineering, Hiroshima University,
Kagamiyama, 1-4-1, Higashi-Hiroshima, Hiroshima 739-8527, Japan

² Research Center of Supercritical Fluid Technology, Graduate School of Engineering, Tohoku
University, Aramaki Aza Aoba, 6-6-11, Aoba-Ku, Sendai, Miyagi 980-8579, Japan

* Corresponding author

E-mail address: iushiki@hiroshima-u.ac.jp (I. Ushiki).

** Corresponding author

E-mail address: inomata@scf.che.tohoku.ac.jp (H. Inomata).

Download English Version:

<https://daneshyari.com/en/article/6670228>

Download Persian Version:

<https://daneshyari.com/article/6670228>

[Daneshyari.com](https://daneshyari.com)