

**AGREEMENT TO PARTICIPATE IN THE NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY COÖRDINATED
“INTERLABORATORY STUDY MEASURING METHANE ADSORPTION ISOTHERMS ON ZEOLITE Y”**

This Agreement is entered into by _____ (“Study Participant”) and the Facility for Adsorbent Characterization and Testing, Materials Measurement Laboratory, National Institute of Standards and Technology (“NIST”)*, regarding participation in the NIST coördinated “Interlaboratory Study Measuring Methane Adsorption Isotherms on Zeolite Y” (“the Study”).

The Study Participant and NIST agree to the following:

A. Introductory.

1. NIST undertakes to coördinate an interlaboratory study for measuring methane surface excess adsorption isotherms on zeolite Y.
2. The objectives of the Study are to compile and disseminate measured methane/zeolite Y surface excess adsorption isotherms at 25 °C up to 7.5 MPa and to extract a reference isotherm from these measurements.

B. Details of the Study.

1. NIST intends to provide the Study Participant with a Study Protocol, describing the procedures for the Study.
2. The Study Participant will receive NIST Reference Material™ 8850 (zeolite Y) and NIST Reference Material™ 8852 (ammonium ZSM-5) at no cost. These reference materials are being provided on an “as is” basis and are not to be redistributed or used for commercial purposes. The Study Participant will provide all other materials and instruments required for the Study.
3. After successful completion of the Demonstration of Measurement Capabilities (see Study Protocol §5)[†], the Study Participant will measure and report to NIST values for the surface excess adsorption of methane on NIST Reference Material™ 8850 as described in the Study Protocol.
4. NIST intends to provide the Study Participant with a NIST-prepared report summarizing the Study results. Data in the report and associated presentations will be anonymized, though the Study Participant’s datasets will be identified to the Study Participant.
5. The Study Participant agrees that the submitted surface excess isotherms of methane on zeolite Y will be included in the Study. These data and associated analyses may be included in publications and oral or poster presentations arising from the Study. All data will be

*NIST is a nonregulatory agency of the U.S. Government and enters into this Agreement under the legal authorities in Title 15 USC 272 b(1) and (2) and (c)(3), (6), and (22).

[†] Laboratories that contributed data to determination of the reference isotherm for carbon dioxide adsorption on ammonium ZSM-5 (NIST Reference Material™ 8852) in the earlier NIST-sponsored interlaboratory study are considered to have successfully completed the “Demonstration of Measurement Capabilities.”

anonymized in these publications and presentations. The Study Participant will be included as a coauthor in any publications in which the submitted data is presented and acknowledged in any oral or poster presentations.

C. General.

1. The Agreement does not involve the transfer of any funds and does not obligate either the Study Participant or NIST to expend any funds. Study Participant understands and agrees that participation in the Study is on a mutual benefit basis and that there will not be any form of remuneration for participation in the Study. All activities contemplated by this Agreement are subject to the availability of funds and other necessary resources to the parties. This Agreement does not create legally binding obligations.

2. The Agreement becomes effective when signed by an authorized representative of the Study Participant. This Agreement may be terminated upon receipt of notification from NIST or from the Study Participant, up until such time as the Study Participant reports the measured surface excess isotherms for adsorption of methane on zeolite Y, as described in the Study Protocol.

3. The Study Participant has read and understood the Study Protocol, prior to signing the Agreement.

4. Nothing in the Agreement shall be construed to limit the freedom of either the Study Participant or NIST from engaging in similar activities with other parties.

Signed for the Study Participant:

Printed Name	Signature	Date
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Please execute this Agreement and return the document to FACTLab@nist.gov or transmit by facsimile to +1-301-926-8671.