

MICROACTIVE[®]

INTERACTIVE DATA ANALYSIS SOFTWARE



micromeritics[®]

ERROR MESSAGES

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CORPORATE PROFILE

Micromeritics Instrument Corporation is the world's leading supplier of high-performance systems to characterize particles, powders and porous materials with a focus on physical properties, chemical activity, and flow properties. Our technology portfolio includes: pycnometry, adsorption, dynamic chemisorption, particle size and shape, intrusion porosimetry, powder rheology, and activity testing of catalysts. The company has R&D and manufacturing sites in the USA, UK, and Spain, and direct sales and service operations throughout the Americas, Europe, and Asia. Micromeritics systems are the instruments-of-choice in more than 10,000 laboratories of the world's most innovative companies, prestigious government, and academic institutions. Our world-class scientists and responsive support teams enable customer success by applying Micromeritics technology to the most demanding applications. For more information, please visit www.Micromeritics.com.

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ERROR MESSAGES

If the *Action* response indicates to contact a Micromeritics service representative, record the error message, then make backup copies of any files involved in the operation.

4154 [n] could not be read.

Cause: The file is corrupt or not a sample file.

Action: Select a different file.

4155 [n] does not have physisorption data.

Cause: Only physisorption data can be combined. The named file does not have any data, or has data that is not from a physisorption analysis.

Action: Select only files from physisorption analyses.

4156 All files must use the same target pressure type: absolute or relative.

Cause: At least one file has data taken with a target pressure type that differs from the others.

Action: Select files that have the pressure type: all relative or all absolute.

4157 The selected data sets do not have enough overlap in the [n] branch.

4158 The selected data sets do not include a full adsorption/desorption isotherm with no cycles.

Cause: Data sets must have overlapping pressure ranges so they can be matched. One point in the range of another data set is typically sufficient. More points in the overlap range allows better matching.

Action: Select files with overlapping pressure ranges.

4159 The scanning cycles do not stay within the bounds of the full isotherm.

Cause: Scanning data must be bounded by the full isotherm. This error is shown if any quantity adsorbed in a scanning adsorption branch falls below the full adsorption isotherm, or if any quantity adsorbed in a scanning desorption branch exceeds the full desorption isotherm, by more than 5%. This check is done after matching the scanning data to the full isotherm.

Action: Ensure that the scanning data are from the same sample and taken using the same conditions as the full isotherm. Check the data for outliers.

4160 HPVA sample conversion failed. File [n] is missing or unreadable.

Cause: An attempt was made to convert an HPVA sample (.H1sh file extension) into the MicroActive (.SMP file extension) sample format. The specified file was unavailable or could not be read successfully.

Action: Ensure the file's permissions allow reading of the file and the file is not open in another application. If the error persists, contact a Particulate Systems representative for advice.

4161 HPVA sample conversion failed. File [n] is version [n]. Conversion is currently possible for version 5 and greater.

Cause: An attempt was made to convert an HPVA sample (.H1sh file extension) into the MicroActive (.SMP file extension) sample format. The specified file is an early version of the HPVA data which is not yet supported by MicroActive.

Action: MicroActive cannot be used with this older format sample data. Contact a Particulate Systems representative for advice on how to analyze this data.

4162 HPVA sample conversion failed. The adsorptive [n] could not be found in the fluids directory.

Cause: An attempt was made to convert an HPVA sample (.H1sh file extension) into the MicroActive (.SMP file extension) sample format. The specified analysis gas does not have a corresponding fluid file in the applications fluids directory. A NIST REFPROP fluid file (.FLD file extension) is required by MicroActive to obtain gas properties for HPVA samples

Action: Ensure that files in the fluids directory have not been removed or renamed. MicroActive can be reinstalled to restore the directory contents.