



POROTECH Ltd. Testing Request Form

Date: _____

Contact Name: _____

Company Name: _____

Address _____

Telephhone: _____

Fax: _____

E-mail: _____

Please Fill in Where Applicable:

Number of Samples: _____ Results Faxed: _____ Hard Copy: _____

Return Samples: YES _____ NO _____

Sample Description(material, thickness, dangers in handling,...)

Comments/Suggestions:

POROTECH Ltd.
TESTING REQUEST FORM

Please indicate the tests you require and fill in where applicable.

**The prices for these tests are intended as a base price and will vary.

**All prices are in USD.

**Each sample to be tested will have different characteristics hence the preparation of the sample and duration of the testing will depend on the specific material and your requirements.

**We will be happy to address your specific needs and provide you with a comprehensive price structure upon receiving a detailed description of the sample proposed for testing.

* Desired sample size is 4x4 inches or 10x10cm.

MSP - 1

Base Characteristics

1. Distribution of pore volume in respect to their radii(range 1 to 105 nM).
2. Average pore radius.
3. Specific surface area of meso- and macro-pores.
4. Total specific surface area.
5. Distribution of surface area in by pore radii.
6. Desorption isotherm for the test liquid.
7. Distribution of the test liquid with respect to capillary pressure.
8. Distribution of the same test liquid with respect to free binding energy liquid-sample.

Questions:

1. Test Liquid – water or _____

Please indicate the liquid you wish to use, if other than water you will need to provide it by sending it to us along with the samples.

2. Sample compression pressure for soft materials _____

The Base Characteristics of MSP- 1 are a pre-requisite for any further testing and are provided as a single package.

_____ DO TEST: YES NO _____
_____ **\$550.00**

MSP - 2

Wetting Angle

1. Wetting angle(test liquid-sample material) versus pore radii.
2. Average wetting angle (test liquid - sample material).
3. All characteristics of MSP - 1.

_____ DO TEST: YES NO _____
_____ **\$1100**

MSP - 3

For two-component hydrophilic-hydrophobic porous samples

1. Water distribution in respect to capillary pressure.
2. Water distribution in respect to free binding energy liquid-sample.
3. Estimate the distribution of hydrophilic pore volume by radii within the measurement range.
4. Estimate the distribution of hydrophobic pore volume by radii within the measurement range.
5. Porosity of hydrophilic pores.
6. Porosity of hydrophobic pores.
7. All characteristics of MSP - 1.

_____ DO TEST: YES NO _____
\$1100

MSP - 4

Special information for some two-component porous samples

1. Distribution of particles and their agglomerates for one component by size.
2. Total specific interface surface area between two components.
3. Distribution of interface surface area by radii of particles and agglomerates.
4. Average particles agglomerates radius.
5. Porosity for each component.
6. All characteristics of MSP - 1.

_____ DO TEST: YES NO _____
\$

MSP - 5

For powder samples

1. All characteristics of MSP - 1 for different values of compression.
2. Dependence of porosity upon values of compression.
3. Estimate the distribution of pore volume within porous particles by their radii.
4. Estimate the distribution of pore volume between porous particles by their radii.

_____ DO TEST: YES NO _____
\$

MSP - 6

For soft samples

1. All the characteristics listed in MSP - 1 for different values of compression
2. Dependence of porosity on value of compressions.

_____ DO TEST: YES NO _____
\$

MSP - 7

Swelling characteristic of porous samples

1. All characteristics of MSP - 1 for “DRY” (non-swollen) porous sample.
2. All characteristics of MSP - 1 for porous sample swollen in test liquid.
3. Characteristics of porous structure (as in MSP - 1) for new pores created as a result of swelling.

_____ DO TEST: YES NO _____
_____ **\$1100** _____

If any areas are left blank we will assume that testing is not required.
Please submit your samples including the liquid if necessary to:

POROTECH LTD.

4 Director Crt. Suite 203, Woodbridge, Ontario, L4L 3Z5, Canada

Tel: (905) 482-2037 Tel: (416) 230-3853 Fax: (866) 686-4404

Email: porotech@porotech.net Website: www.porotech.net