EDC No.: 0101006 Revision: 1.0

Contract Lab Services Request Form

For Contact Angle Measurement

Instruction: Please fill out this form completely and submit it with your specimens. Information on applications and other analyses performed on the specimens may be helpful in selecting optimal testing methods and conditions. Please provide this kind of information as much as possible. If a non-disclosure agreement is required, please arrange it to be fully executed before submission.

Contact Name: _____

Company: _____

Mailing Address: _____

_____

_____

Phone: _____ **Fax:** _____

Email: _____

Total Number of Specimens Submitted: _____

Specimen Packaging Date: _____

Expected Finishing Date: _____

Specimen Name or Number: _____

Description of Specimen (shape, size, surface roughness, oxide layer, film thickness, substrate materials, etc., if known**):**

_____

_____

_____

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Test and Analysis Requested:

Contact Angle Measurement

__*Contact angle*
__*Hydrophobicity and hydrophilicity*
__*Liquid in liquid contact angle*
__*Liquid repellence*
__*Liquid solid interfacial phenomena*
__*Liquid surface tension via pedant drop method*
__*Oleophobicity and oleophilicity*
__*Self cleaning paint*
__*Super hydrophobicity*
__*Super wetting*
__*Surface chemistry*
__*Surface cleanness*
__*Surface contamination*
__*Surfactant efficiency*
__*Temperature dependence*
__*Wettability*

Dynamic Contact Angle Measurement

__*Advancing angle*
__*Contact angle hysteresis*
__*Dynamic contact angle*
__*Extension and contraction of liquids*
__*High speed measurement*
__*Liquid spreading*
__*Receding angle*
__*Sliding angle*
__*Time dependence*

Micro Contact Angle Measurement

__*Curved surface contact angle measurement*
__*Detergent and surfactant interaction with fibers*
__*Droplets in micron size*
__*Drop size effect*
__*Dye influence on hair*
__*Dynamic receding angle*
__*Hydrophilicity of microfluidics*
__*Hydrophobicity of MEMS beams*
__*Interfacial adhesion*
__*Liquid vaporization*
__*Lotus effect*
__*Micro contact angle*
__ *Moisture absorption rate of fibers in filters*
__*Nano/micro patterned surfaces*
__*Permeability of ink to its medias*
__*Stain resistant fabrics*
__*Surface free energy of a head slider*
__*Surface roughness influence*
__*Surface uniformity*
__*Wettability of color resists to each cell of flat panel displays*
__*Wettability of PCB traces*
__*Wettability of single fiber, wire, catheter, and small tube*

Test Environment and Conditions:

__Room temperature	*__Ambient air*	*__Humidity control*
__Elevated temperature	*__Low vacuum*	*__Washed and dried*
__Cooled temperature	*__Gas purge*	*__Immerged in liquid*

Special Instruction on Experiment:

_____

_____

_____

_____

_____

Please submit the finished form to: *NAT Lab at Ebatco*
Address: *7127 Shady Oak Road, Eden Prairie, MN 55344, USA*
Tel: *(952) 334-5486,* ***Fax:*** *(952) 746-8086,* ***Email:*** *natlab@ebatco.com*
Website: *www.ebatco.com*