

MOISTTECH CORP

LEADERS IN NIR MOISTURE MEASUREMENT & CONTROL

*APPLICATION DATA
SHEET*



We will use the information you provide in this application data sheet to test your samples in our lab. The confidentiality of all information is strictly protected. We recommend that you send us representative samples of each material that you wish to have tested which is not already covered by calibration data. We will use your samples to establish calibration data to balance and calibrate. We need to prepare these samples with various moisture content spaced throughout your desired range. The preparation of these "conditioned" samples is very important. Any information that you can supply, especially regarding the addition or removal of moisture from your samples, will be of utmost importance.

COMPANY: _____ SALES/REP: _____
ADDRESS: _____

CONTACT: _____
TELEPHONE: _____

NAMES OF SAMPLES SUBMITTED FOR LABORATORY REPORT OR CALIBRATION
(Please read the opposite side of this sheet for details regarding submitted samples)

1.	4.
2.	5.
3.	6.

ARE THESE SAMPLES SUBJECT TO SPOILAGE OR FERMENTATION IF STORED? _____.

DO THESE SAMPLES CONTAIN ANY IRRITANTS OR FUMES THAT MIGHT BE DANGEROUS IN HANDLING? _____.

TOTAL RANGE OF MOISTURE TEST, FROM _____% to _____% \pm _____%

MOST CRITICAL RANGE OF MOISTURE TEST, FROM _____% to _____% \pm _____%

TEMPERATURE RANGE OF MATERIAL UNDER TEST/CONTROL, FROM _____°C to _____°C.

MOISTURE DISTRIBUTION IN MATERIAL:

Homogenous	Dry Pockets	Just Wetted (Surface wet)
Wet Pockets	Still drying (Moisture Leaving)	Other (specify)



YOUR STANDARD METHOD OF MOISTURE DETERMINATIONS

Oven (Air, Forced Draft) For _____ hours @ _____ degrees C.

Vacuum @ _____ inch. Vacuum for _____ hours @ _____ degrees C

Distillation: Toluene _____ Kerosene _____ Other _____ .

Karl Fischer Titration: manual _____ automatic _____ .

FORMULA USED TO COMPUTE PERCENT MOISTURE CONTENT:

BY WET WEIGHT: $((\text{WET WEIGHT} - \text{DRY WEIGHT})/\text{WET WEIGHT}) \times 100 = \% \text{ MOISTURE}$

BY DRY WEIGHT: $((\text{WET WEIGHT} - \text{DRY WEIGHT})/\text{DRY WEIGHT}) \times 100 = \% \text{ MOISTURE}$

OTHER FORMULA _____ .

CHEMICAL COMPOSITION OF PRODUCT _____ .

MOISTTECH MODEL DESIRED _____ .

ACCURACY / CONTROL REQUIRED _____ .

Please use the back of this sheet to explain and sketch your manufacturing process, detailing areas you wish to utilize control sensors.

FOLLOW THESE GUIDELINES WHEN SUBMITTING SAMPLES TO THE LABORATORY FOR TESTING:

1. Minimum amount of sample required:
Paper, paper products, cloth: 6" x 6" x 1" thick (1 to 6 stacks)
Lumber: 6 pieces 8" x 8" x 1" thick
Veneer: sufficient to make stack, 8" x 8" x W' thick
Yarn: 4 skeins or 3 to 4 cones
Bulk Textile Fibers: sufficient material to fill a one-gallon container
Granular or powdered materials: four sealed one-pint containers from the same production lot, one with maximum moisture, one with minimum moisture, and two more samples from different production lots.
2. All samples to be adequately packaged for safe transport.
3. All samples to be clearly identified as to content (it is important to identify various additives as these substances may affect moisture readings.) Customer confidentiality is strictly protected.
4. For coatweight applications, send coated and non-coated paper. If possible, send various different coating thicknesses. Send resin when applicable and/or any other substance used in your process which could affect coating readings. Coatweight samples need to be individually identified by coatweight substance. In most instances, a small label in the corner will suffice.
5. COMPLETED APPLICATION DATA SHEET MUST ACCOMPANY ALL SAMPLES.
6. Customer and Rep Company contacts should both be identified to assure proper communication



PLEASE SKETCH YOUR PROCESS HERE, AND GIVE A BRIEF WRITTEN DESCRIPTION OF YOUR NEEDS. INCLUDE AREAS YOU WISH TO UTILIZE CONTROL SENSORS.

PLEASE SEND SAMPLES TO:
MOISTTECH CORP.
1199 TALLEVAST RD
SARASOTA, FL 34243

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