

J.M. Canty Inc.

6100 Donner Road, Buffalo NY 14094

Ph: (716) 625-4227 Fax: (716) 625-4228 e-mail: sales@jmcanty.com

Particle Analysis Test Questionnaire

TEST KITS:

Canty Part number: VF480-1

Canty Service Charge: \$675.00

Submitted by:

Company Contact Name:

Title:

Date:

Company Name:

Contact Address:

Shipping Address:

Billing Address:

Particle Questionnaire

Phone Number:

Fax Number:

E-mail:

Customer P.O.:

Sample Name:

Sample Tracking #

(Please call Canty to obtain prior to sample shipment):

Customer RMA#:

(Used to send sample materials back to customer once testing has concluded)

TEST KITS:

Canty Part number: VF480-1

Canty Service Charge: \$675.00

Procedure:

Customer: Place the sample material(s) in suitable container(s) for shipment to Canty and call Canty for a sample tracking number. Customer must ship in an appropriate DOT container and is responsible for local and Federal regulations, compliance and disclosures. For materials that cannot be shipped rental equipment can be supplied and is recommended in these cases. Use as many containers as necessary for proper analysis of particles. Include sample preparation instructions if appropriate.

Canty: After analysis of sample is completed, we will return the results in the form of a written report with graphical illustration of measurement results. The report will identify the procedure we used to arrive at our results and show the particle size distribution and typical pictures of the sample. The sample will then be held for two weeks and after that time will be returned to the customer unless Canty is notified by the company that it needs to be retained for further testing.

All samples must arrive with MSDS, Canty sample tracking # and completed questionnaire. All samples will be returned after analysis.

Particle Questionnaire

Questionnaire: To help us analyze your sample properly we request that you provide the following information. The more time you put into answering the questions the better we can understand your needs and the closer we can simulate your process in our lab. The quality of information that we can provide to you is often dependent upon the quality of information we receive from you. Consequently, if you have any questions about this questionnaire, feel free to contact our laboratory staff.

Information about the samples submitted for analysis.

1. Is the sample material Hazardous: **Yes** **No** What precautions should be taken?

Explain:

2. What is the average size of the particle?

3. Range of particle size?

Information about the Process.

Please include pictures, images, diagrams and graphs when appropriate.

9. Desired output from Cauty Vector?

- | | | |
|------------------------------------|------------|---|
| a) Particle size distribution | Yes | No |
| b) Area (where applicable) | Yes | No |
| c) Width (where applicable) | Yes | No |
| d) Length | Yes | No |
| e) Aspect Ratio (where applicable) | Yes | No |
| f) Mean size | Yes | No |
| g) Opacity | Yes | No |
| h) Turbidity | Yes | No |
| i) Color analysis | Yes | No (please provide information on the colors you need identified and what you require for each color (particle size distribution, difference in color from standard, etc.) |

- j) Black Speck Detection **Yes** **No** (please provide information on what constitutes an "undesirable" characteristic in your sample and how much/how concentrated this characteristic needs to be in order to trigger a detection in your present analysis technique. It is essential that you provide us with a sample that has recognizable "clean" portions as well as an identified example of the undesirable characteristic. Send two separate samples if necessary.)

Particle Questionnaire

k) Other, please explain:

10. What is the goal of your product analysis? What level of inspection do you need? Is a random sampling that provides reflective data about the product sufficient?

11. What type of reproducibility do you require?

12. How are the particles going to travel by the camera (open conveyor, closed pipe air transport, liquid suspension, etc.)?

13. Are you interested in an in-line system or lab set up? **Yes** **No** **Both**

14. If interested in an in-line system please send a sketch of particular setup and anticipated use of the vision system (QC, Automated Process Control, etc.).

