

Fluid Energy Processing & Equipment Co.

AREA CODE 215
368-1655

CABLE ADDRESS—JETOMIZER-LANSDALE

OFFICE—300-302 W. MAIN STREET
LANSDALE, PENNA. 19446

PLANT—Box A, 2629 PENN AVENUE
HATFIELD, PA. 19440

February 1, 1967

E. I. DuPont De Nemours & Co.
Copper Phthalocyanine Blue
FED #3637 - #3547 TG

Raw Feed Analysis: 45% Solids
20% Kerosene
35% H₂O

Our analysis shows 56.8% volatiles

Desired End Product: Max. 0.5% volatiles

The above material was test dried and milled in our model 0405F Jet-O-Mizer using steam at 190 - 200 psig. The results of the test runs are as follows:

FED #3637-1: Manifold Pressure : 190 psig
 Manifold Temp. : 590°F
 Feed Rate : 470#/hr.
 Moisture : 0.5%
 Microscopically -
 +5μ / 5-2μ / 2-1μ / -1μ
 Tr. / 1-2% / 2-3% / 95-97%

FED #3637-2: Manifold Pressure : 190 psig
 Manifold Temp. : 650°F
 Feed Rate : 765#/hr.
 Moisture : 0.3%
 Microscopically -
 15-10μ / 10-5μ / 5-2μ / 2-1μ / -1μ
 1-2% / 2-3% / 3-4% / 4-5% / 86-90%
 needles

FED #3637-3: Manifold Pressure : 190 psig
 Manifold Temp. : 650°F
 Feed Rate : 230#/hr.
 Moisture : 0.8%
 Microscopically -
 10-5μ / 5-2μ / 2-1μ / -1μ
 Tr.-1% / 1-2% / 3-5% / 92-96%

A repeat of run -3 was made due to problems with the feeder. The rerun analysis is as follows:

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E. I. DuPont De Nemours & Co.
Wilmington, Del: 19898

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FED #3637-3A: Manifold Pressure : 200 psig
 Manifold Temp. : 650°F
 Feed Rate : 310#/hr.
 Moisture : 0.3%
 Microscopically -
 +5μ / 5-2μ / 2-1μ / -1μ
 Tr. / 1-2% / 2-3% / 95-97%

FED #3637-4: Manifold Pressure : 200 psig
 Manifold Temp. : 660°F
 Feed Rate : 900#/hr.
 Moisture : 1.3%
 Microscopically -
 +5μ / 5-2μ / 2-1μ / -1μ
 Tr. / 1-2% / 2-3% / 95-97%

The products, the balance of the raw feed, and two empty steel drums were returned to you via North Penn Transfer Co. on January 19, 1967.


Walter S. Trout
Plant Manager

WST/mlc

cc: James V. Roy, Jr.
Mr. R. E. Stober

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