

107 Engineering Building
University of Pennsylvania
Philadelphia 4, Pennsylvania

729885

CONFIDENTIAL

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April 14, 1944

Mr. D. B. Curll, Jr.
Rumford Chemical Company
Rumford, Rhode Island

BEST COPY AVAILABLE

Dear Mr. Curll:

We have run a few screen tests on the sample of Fluomine we received from Dr. Calvin with the following results.

	<u>gms.</u>	<u>%</u>	<u>gms.</u>	<u>%</u>
over 10 mesh	68	15.2	139	31.0
10-20	180	40.4	180	33.5
20-30	85	19.0	72	16.1
30-35	8	1.8	8	1.8
35-48	15	3.4	14	3.4
under 48	90	20.2	65	14.5
	<u>446</u>	<u>100.0</u>	<u>448</u>	<u>100.3</u>

Note: 454 gms. used.

These results are from two random samples taken after mixing the Fluomine superficially by rolling the carton and does not represent proper sampling as is obvious from the figures. However, it is apparent that the material which is useful to us amounts to only 50 to 60% of the total. Moreover, I have been told by Catterall that many samples pelleted by Calvin have been found at M.I.T. to have inferior mechanical strength and consequently, there is danger that even the properly sized material would powder badly in use.

I am sealing up the carton and sending it to you for repelleting. If you think it advisable, you might screen out the usefully sized material and pellet the rest, but perhaps it would be well to compare the hardness of the particles with that of your product.

CLASSIFICATION CANCELLED OR
CHANGED TO Unclassified

BY AUTH. CG DAR-1 4.3.1

BY D. B. Curll DATE 4/11/96

By W. E. Spindel ADD 3/15/96

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Mr. D. B. Curll, Jr.

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April 14, 1944

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We have recently completed a number of runs using the small flat case charged with Salcomine and are prepared to test the Fluomine whenever it is ready.

Very truly yours,

TAG:RK
CC - E. J. Stevenson ✓
S. S. Prentiss

T. A. Geissman

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