



E. I. DU PONT DE NEMOURS & COMPANY

HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINE
ELKTON ROAD, NEWARK, DELAWARE 19711

CENTRAL RESEARCH AND DEVELOPMENT DEPARTMENT

*Rec'd after discussion
w/ S.W. Dixon 8/3/83
on 8/9/83 J.F.*

July 28, 1983

L. T. FREELAND
POLYMER PRODUCTS DEPARTMENT
BEAUMONT

ASBESTOS FIBER COUNTS

I did asbestos fiber counts on 3 samples submitted by you on 6/10/83. The standard phase contrast method (NIOSH P&CAM 239) was used. Analytical data is recorded in Haskell Laboratory Notebook No. E-32711, pp. 15, 22 & 23. Results are as follows.

Sample Number	Total Fields Counted*	No. of Fibers Counted	Total Fibers on Filters**	Sample Volume (liters)	Fibers/cm ³
Blank	100	0.0	< 329	---	
52-1	20	347.5	1,142,740	30	38.09
52-6	20	359.0	1,180,558	30	39.35

Asbestos fiber analysis were also done by scanning electron microscopy and energy dispersion x-ray microanalysis by Electron Microscopy Service Laboratories, Inc. Refer to attachments. Contact me if you have any questions.

* Field area = 0.013 mm²
** Filter area = 855 mm²

JEH/dar

DUP 0508172

BETTER THINGS FOR BETTER LIVING... THROUGH CHEMISTRY

James E. Henry
JAMES E. HENRY
TECHNICIAN

*8/1/83 366-5390
@ 1035*

*Discussed details and agreed
chrysotile is the best hazardous
crystalline form and very
close dist of particle size instead
of gel 10X increase when @ 2000X
Lee T. Freeland.*

DU 004184