

PARTICLE DATA LABORATORIES, LTD.

Abex Corporation
PUL Project: I-6960
October 5, 1982
-2-

microscopy, especially with a heterogeneous material. Also, the quantitation was based on noting the fraction of asbestos in each portion of the heterogeneous material and what fraction that portion was of the total sample. Representative micrographs, both in unpolarized light and with crossed polars and first order red compensation, were taken as documentation of what was seen.

The results of the evaluation were as follows:

- EG-5 Amosite 0.1 - 0.2% (indices 1.700 and 1.696)
Mostly an esparto or burlap type organic fiber (woven) with some binder.
- EG-6 Fiberglass 20 - 25%
Balance is binder and quartz, calcite, etc.
- EG-7 Fiberglass 30 - 35%
Balance is binder similar to EG-6.
- EG-8 Chrysotile 1 - 2%
Balance is fiberglass (70 - 80%) and binder (organic ?)
10 - 15%.
- EG-9 Chrysotile 8 - 10%
Organic fibers 50 - 60%, Binder 20 - 30%.
- EG-10 Chrysotile 2 - 3%
Organic fibers 80 - 90%, Binder 10 - 15%.
- EG-11 Chrysotile 40 - 50%
Organic fibers 30 - 40%, Binder 10%.
- EG-12 Chrysotile 30 - 35%
Balance is binder with pumice filler.
- EG-13 Chrysotile about 0.5%
Organic fibers 60 - 70%, Binder 30 - 40%.
- EG-14 Chrysotile 0.1 - 0.2%
Organic fibers 10 - 20%, Binder 80%.

Thank you for consulting Particle Data Laboratories in this matter.

Respectfully submitted,

PARTICLE DATA LABORATORIES, LTD.


Michael Bayard
Research Microscopist

MB:cnl
Enclosures

SEP 1982