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TECHNICAL REPORT

To: **R. J. Zazenski**

Project No.: **Various**

From: **Julie W. Pier**
Analytical and Technical Support

Date: **11-Mar-04**

Copy: **R. Godell, E. Shuman**

Subject: **SUMMARY OF TEM ASBESTOS RESULTS:**
GRADE 66/96 USP PRODUCT COMPOSITES

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Results:

The following results (attached) were obtained using the current ASTM draft method "Standard Test Method for Indirect Analysis of Talc by Transmission Electron Microscopy for Asbestos Mass Concentration."

The analytical sensitivity is defined for each sample based on the smallest detectable fiber given the analysis parameters for that sample. "ND" (not detected) is reported when no fibers are detected.

A program of laboratory "blank" analysis is in place and has been used to determine the level of significance for this analysis according to ASTM method D 6620-00, "Standard practice for asbestos detection limit based on counts." Based on the analysis of 100 laboratory blanks, the detection of one fiber on a given sample preparation has been determined to be insignificant. "NS" (not significant) is reported when only one fiber (structure) was detected. When 2 or more fibers (structures) are detected, the actual result (ppm) is reported.

**PLAINTIFF'S
EXHIBIT
CAM-358**

**SUMMARY OF TEM ASBESTOS RESULTS:
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Table 1. Summary of results

		TEM Analysis							PLM Analysis (+200 Mesh)	
Sample Description	Sample No.	Amphibole Structures		Amphibole Content	Chrysotile Structures		Chrysotile Content	Structure (S) Concentration	Amphibole Asbestos	Chrysotile Asbestos
		>5 µm	<5 µm	(ppm)	>5 µm	<5 µm	(ppm)	S (x 10 ⁶)/g	%	%
Grade 66 composite: 2 nd Quarter, 2001	A01314-1	0	0	ND	0	0	ND	<85	NA	NA
Grade 66 composite: 3 rd Quarter, 2001	A01571-1	0	0	ND	0	0	ND	<86	NA	NA
Grade 66 composite: 4 th Quarter, 2001	A02008-1	0	0	ND	0	0	ND	<87	NA	NA
Grade 96 composite: 1 st Quarter, 2002	A02224-1	0	0	ND	0	1	NS	<132	NA	NA
Grade 96 composite: 2 nd Quarter, 2002	A02400-1	0	0	ND	0	0	ND	<87	NA	NA
Grade 96 composite: 3 rd Quarter, 2002	A02524-1	0	0	ND	0	0	ND	<80	NA	NA
Grade 96 composite: 4 th Quarter, 2002	A03038-1	0	0	ND	0	1	NS	<133	NA	NA
Grade 96 composite: 1 st Quarter, 2003	A03098-1	0	0	ND	0	0	ND	<82	NA	NA
Grade 96 composite: 2 nd Quarter, 2003	A03372-1	0	0	ND	0	1	NS	<129	NA	NA
Grade 96 composite: 3 rd Quarter, 2003	A03499-1	0	0	ND	0	1	NS	<205	NA	NA

ND = Not detected (see report text).

NS = Not significant (see report text).

NA = Not analyzed (insufficient sample).

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Sample Description.	Sample No.	Starting Weight	Aliquot Filtered	Grid Spaces	Sample Analyzed	TEM Amphibole Sensitivity*	TEM Chrysotile Sensitivity*
		(g)	(mL)	(#)	(ng)	ppm	ppm
Grade 66 composite: 2 nd Quarter, 2001	A01314-1	0.0367	0.5	20	35	NA	0.02
Grade 66 composite: 3 rd Quarter, 2001	A01571-1	0.0363	1.0	10	35	NA	0.02
Grade 66 composite: 4 rd Quarter, 2001	A02008-1	0.0355	1.0	10	34	NA	0.02
Grade 96 composite: 1 st Quarter, 2002	A02224-1	0.0373	1.0	10	36	NA	0.02
Grade 96 composite: 2 nd Quarter, 2002	A02400-1	0.0358	1.0	10	35	NA	0.02
Grade 96 composite: 3 rd Quarter, 2002	A02524-1	0.0388	1.0	10	37	NA	0.02
Grade 96 composite: 4 rd Quarter, 2002	A03038-1	0.0369	1.0	10	36	NA	0.02
Grade 96 composite: 1 st Quarter, 2003	A03098-1	0.0378	1.0	10	36	NA	0.02
Grade 96 composite: 2 nd Quarter, 2003	A03372-1	0.0382	1.0	10	37	NA	0.02
Grade 96 composite: 3 rd Quarter, 2003	A03499-1	0.0240	1.0	10	23	NA	0.03

*The analytical sensitivity for this method is defined as 1 fiber (ASTM D 5756-00).