EMSL Analytical, Inc.
14375 23rd Avenue North Minneapolis, Mn 55447
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EMSL Order: 351606483
Customer ID: CTLA62
Customer PO: 121812 EMSL-MN
Project ID:

Attention: Brett Szymanski
CT Laboratories
1230 Lange Court
Baraboo, WI 53913-3109

Project: INTERMET/WAGNER CASTING

Phone: (608) 356-2760
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Received Date: 09/08/2016 10:20 AM
Analysis Date: 09/09/2016 - 09/12/2016
Collected Date:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
766391-Floor Tile 351606483-0001	IW-BA-01	Brown/Green/Beige Non-Fibrous Homogeneous	5% Cellulose	85% Non-fibrous (Other)	10% Chrysotile
766391-Black Mastic 351606483-0001A	IW-BA-01	Black Non-Fibrous Homogeneous	6% Cellulose	91% Non-fibrous (Other)	3% Chrysotile
766392 351606483-0002	IW-BA-02	Black Fibrous Homogeneous	7% Cellulose 2% Glass	88% Non-fibrous (Other)	3% Chrysotile
766393-Floor Tile 351606483-0003	IW-BA-03	Tan Non-Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (Other)	None Detected
766393-Black Mastic 351606483-0003A	IW-BA-03	Black/Silver Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
766394-Tan Tile 351606483-0004	IW-BA-04	Tan Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
766394-Black Mastic 351606483-0004A	IW-BA-04	Black Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
766395-Tar Layer 1 351606483-0005	IW-BA-05	Brown/Black Fibrous Homogeneous	3% Cellulose 12% Glass	85% Non-fibrous (Other)	None Detected
766395-Tar Layer 2 351606483-0005A	IW-BA-05	Brown/Black Non-Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
766396 351606483-0006	IW-BA-06	Tan/White/Blue Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
766397-Woven Layer 351606483-0007	IW-BA-07	Brown/Clear Fibrous Homogeneous	3% Cellulose 25% Glass	72% Non-fibrous (Other)	None Detected
766397-Beige Adhesive 351606483-0007A	IW-BA-07	Beige Non-Fibrous Homogeneous	4% Cellulose 8% Glass	88% Non-fibrous (Other)	None Detected
766398-Floor Tile 351606483-0008	IW-BA-08	Rust Non-Fibrous Homogeneous	3% Cellulose	82% Non-fibrous (Other)	15% Chrysotile
766398-Black Mastic 351606483-0008A	IW-BA-08	Black Non-Fibrous Homogeneous	4% Cellulose 2% Glass	90% Non-fibrous (Other)	4% Chrysotile
766399-Floor Tile 351606483-0009	IW-BA-09	Brown/White/Red Non-Fibrous Homogeneous	2% Cellulose	90% Non-fibrous (Other)	8% Chrysotile
766399-Black Mastic 351606483-0009A	IW-BA-09	Black Non-Fibrous Homogeneous	5% Cellulose	85% Non-fibrous (Other)	10% Chrysotile

HUG 5 October 2016

Initial report from: 09/12/2016 16:02:44

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
766399-Tar Felt *351606483-0009B*	IW-BA-09	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
766400 *351606483-0010*	IW-BA-10	Tan/White Fibrous Heterogeneous	18% Cellulose 2% Glass	80% Non-fibrous (Other)	None Detected
766401-Black Layer *351606483-0011*	IW-BA-11	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
766401-White Layer *351606483-0011A*	IW-BA-11	Gray/White Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
766402-Ceiling Tile *351606483-0012*	IW-BA-12	Tan/White Fibrous Heterogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
766402-Brown Mastic *351606483-0012A*	IW-BA-12	Brown Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
766402-Gray layer *351606483-0012B*	IW-BA-12	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
766467 *351606483-0013*	IW-BA-13	Gray/White Fibrous Homogeneous	50% Cellulose		50% Chrysotile
766468 *351606483-0014*	IW-BA-14	Gray/Beige Fibrous Homogeneous	1% Synthetic	99% Non-fibrous (Other)	None Detected

"None detected"
equivalent to "1% U"

HVG
5 of 16

Analyst(s)
George Sullivan (2)
Michael Felzan (23)

Rachel Travis, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

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