



# Lewkowich Engineering Associates Ltd.

## Bulk Asbestos Certificate of Analysis

**Project #:** F2658.003 **Client:** Regional District of Nanaimo **Site Address:** 230 Hobbs Road, Qualicum Beach, BC **Sampled By:** LEA (KT/AS/HS)

Analyzed in accordance with NIOSH 9002 Asbestos (Bulk) by PLM  
 (Note: Estimated Limit of Detection (LOD) is <1% asbestos)

**Legend:**  
 ND Not Detected

Lab Sample #	Sample Description	Location	Phase Description	Phase %	Asbestos Type	Asbestos %	Other Material Type	Other Material	Analyst
F2658.003-1	Drywall Joint Compound	Men's Washroom	Paint - Grey Joint Compound Paper - Cream Joint Compound Paper - Cream/Beige Gypsum	5 20 15 15 30	NO NO NO NO NO	ND ND ND ND ND	Non-Fibrous Non-Fibrous Fibrous(Cellulose) Non-Fibrous Fibrous(Cellulose) Non-Fibrous	100 100 100 100 100	LC LC LC LC LC
F2658.003-2	Drywall Joint Compound	Engine Bay	Paint - White Adhesive - Amber Joint Compound Paper Backing Joint Compound	5 5 35 20 35	NO NO NO NO NO	ND ND ND ND ND	Non-Fibrous Non-Fibrous Fibrous(Cellulose) Fibrous(Cellulose) Non-Fibrous	100 100 100 100 100	LC LC LC LC LC
F2658.003-3	Drywall Joint Compound <i>No Joint Compound Present</i>	Laundry Room	Paint - Light Grey Paper - Cream Gypsum (Side)	10 25 65	NO NO NO	ND ND ND	Non-Fibrous Fibrous(Cellulose) Fibrous(Cellulose/Glass)/Non-Fibrous(10/90)	100 100 100	LC LC LC
F2658.003-4	Drywall Joint Compound	Mask Cleaning Area	Paint - Light Grey Joint Compound Paper - Cream Joint Compound	10 55 25 10	NO NO NO NO	ND ND ND ND	Non-Fibrous Non-Fibrous Fibrous(Cellulose) Non-Fibrous	100 100 100 100	LC LC LC LC
F2658.003-5	Drywall Joint Compound	Upper Storage Room	Joint Compound Paper - Cream Joint Compound	55 30 15	NO NO NO	ND ND ND	Non-Fibrous Fibrous(Cellulose) Non-Fibrous	100 100 100	LC LC LC
F2658.003-6	Vinyl Floor Tile	Office & Washroom	Paint - Grey Vinyl - Off White Adhesive - Amber Mastic - Black	5 80 5 10	NO Chrysoptile NO NO	ND 1-5 ND ND	Non-Fibrous Non-Fibrous Fibrous(Cellulose)/Non-Fibrous(1/99) Fibrous(Cellulose)/Non-Fibrous(5/95)	100 95-99 100 100	LC LC LC LC
F2658.003-7	Sink Insulation	Mask Cleaning Station	Black Metallic Mix	100	Chrysoptile	15-20	Non-Fibrous	80-85	LC
F2658.003-8	Sink Insulation	Office/Kitchen Area	Dark Brown Metallic Mix	100	Chrysoptile	10-15	Non-Fibrous	85-90	LC
F2658.003-9	Duct Mastic	Interior Piping For Exhaust	Grey Mix	100	NO	ND	Non-Fibrous	100	LC
F2658.003-10	Cove Base & Adhesive	Men's Washroom	Vinyl - Black/Grey Adhesive - Amber	90 10	NO NO	ND ND	Non-Fibrous Non-Fibrous	100 100	LC LC
F2658.003-11	Ceiling Texture	Mask Cleaning Station	White Mix Paint - White Joint Compound Paper - Cream Joint Compound Paper - Cream/Beige Gypsum	15 5 5 15 25 15 20	NO NO NO NO NO NO NO	ND ND ND ND ND ND ND	Fibrous(Cellulose)/Non-Fibrous(5/95) Non-Fibrous Fibrous(Cellulose)/Non-Fibrous(5/95) Fibrous(Cellulose) Non-Fibrous Fibrous(Cellulose)/Non-Fibrous(1/99) Fibrous(Cellulose)	100 100 100 100 100 100 100	LC LC LC LC LC LC LC



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Analyzed in accordance with NIOSH 9002 Asbestos (Bulk) by PLM  
 (Note: Estimated Limit of Detection (LOD) is <1% asbestos)

**Legend:**  
 ND Not Detected

Lab Sample #	Sample Description	Location	Phase Description	Phase %	Asbestos Type	Asbestos %	Other Material Type	Other Material	Analyst
F-2658.003-12	Ceiling Texture	Mask Cleaning Station	White Mix	15	NO	ND	Fibrous(Cellulose)/Non-Fibrous(5/95)	100	LC
			Paint - White	5	NO	ND	Non-Fibrous	100	LC
			Joint Compound	5	NO	ND	Fibrous(Cellulose)/Non-Fibrous(1/99)	100	LC
			Paper - Cream	15	NO	ND	Fibrous(Cellulose)	100	LC
			Joint Compound	25	NO	ND	Non-Fibrous	100	LC
			Paper - Cream/Beige	15	NO	ND	Fibrous(Cellulose)	100	LC
F-2658.003-13	Ceiling Texture	Mask Cleaning Station	Gypsum	20	NO	ND	Fibrous(Cellulose)/Non-Fibrous(1/99)	100	LC
			White Mix	15	NO	ND	Fibrous(Cellulose)/Non-Fibrous(1/99)	100	LC
			Paint - White	5	NO	ND	Non-Fibrous	100	LC
			Joint Compound	10	NO	ND	Fibrous(Cellulose)/Non-Fibrous(1/99)	100	LC
			Paper - Cream	15	NO	ND	Fibrous(Cellulose)	100	LC
			Joint Compound	20	NO	ND	Fibrous(Cellulose)/Non-Fibrous(1/99)	100	LC
F-2658.003-14	Ceiling Tile	Office Area 1 Old Tile	Paper - Cream/Beige	15	NO	ND	Fibrous(Cellulose)	100	LC
			Gypsum	20	NO	ND	Fibrous(Cellulose)/Non-Fibrous(1/99)	100	LC
			Paint - White	5	NO	ND	Non-Fibrous	100	LC
F-2658.003-15	Sink Insulation	Compressed Air Station Room	Light Grey Fibrous	95	NO	ND	Fibrous(Cellulose/Glass)/Non-Fibrous(80/20)	100	LC
			<b>Brown Metallic Mix</b>	100	<b>Chrysotile</b>	<b>5-10</b>	Non-Fibrous	90-95	LC



## Field Portable XRF Certificate of Analysis

Project #: F2658.003      Client: RDN      Site Address: 230 Hobbs Road, Qualicum Beach, BC      In-situ       Ex-situ

Analyzed in accordance with analytical methods adapted from EPA Method 6200 and ASTM F2853-10

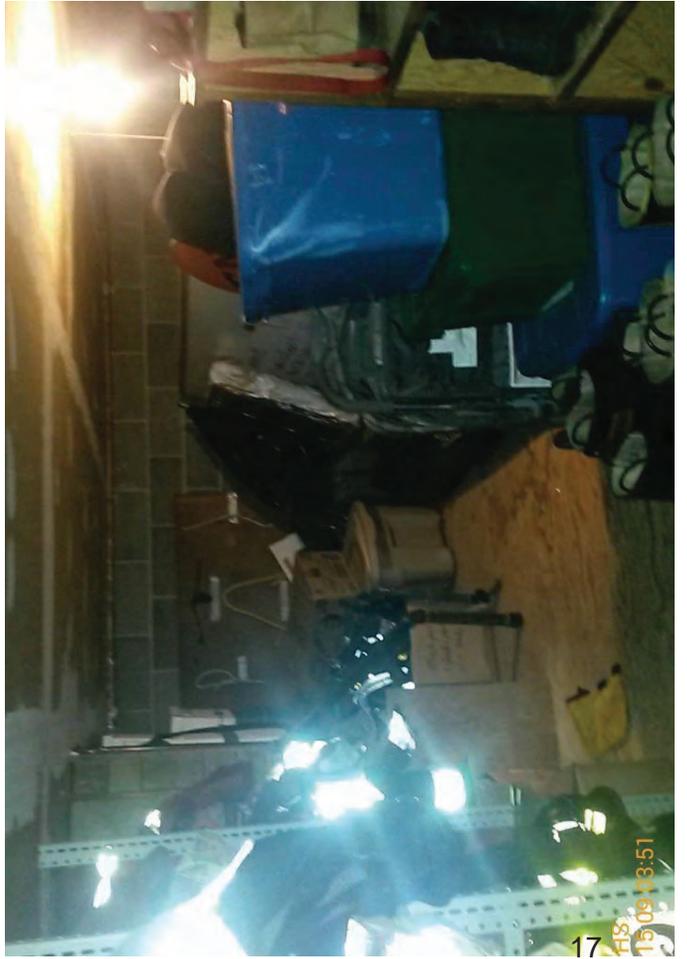
Note: HPA defines lead based paint (LBP) as coating exceeding 90 ppm (0.009%) Lead content by weight

**Legend:**

- POSITIVE      Lead-content (> LOD for XRF)
- ND              Non Detect (< LOD for XRF)

Sample Description	Location	Date	Time	Test #	Analyzer Mode	Element	LBP	Remarks	Analyst
Calibration		16/12/2015	9:12:54	#1	Beam 1, 2, 40 KeV	PASS			KT
Light Grey Field	Block Walls	16/12/2015	9:14:16	#2	Beam 1, 2, 40 KeV	Lead	POSITIVE	< 600 ppm	KT
Red Field	Block Walls	16/12/2015	9:16:17	#3	Beam 1, 2, 40 KeV	Lead	POSITIVE	< 600 ppm	KT
Off White Field	Drywall Ceiling	16/12/2015	9:17:50	#4	Beam 1, 2, 40 KeV	Lead	POSITIVE	< 600 ppm	KT
White Glaze	Ceramic Tile in Shower	16/12/2015	9:19:58	#5	Beam 1, 2, 40 KeV	Lead	POSITIVE	5000 - 10000 ppm	KT
Blue Trim	Door Trim	16/12/2015	9:21:45	#6	Beam 1, 2, 40 KeV	Lead	POSITIVE	< 600 ppm	KT
White Field	Engine Bay and SCBA Room	16/12/2015	9:23:44	#7	Beam 1, 2, 40 KeV	Lead	POSITIVE	< 600 ppm	KT
Grey Field	Engine Bay Cabinets	16/12/2015	9:25:48	#8	Beam 1, 2, 40 KeV	Lead	ND	Non Detect	KT
Dark Grey Field	Mezzanine Stairs and Railing	16/12/2015	9:28:02	#9	Beam 1, 2, 40 KeV	Lead	POSITIVE	< 600 ppm	KT
Dark Red Field	Exterior Doors	16/12/2015	9:34:15	#10	Beam 1, 2, 40 KeV	Lead	POSITIVE	> 1%	KT
White Paint	Floor Markings - White (over yellow)	16/12/2015	9:36:49	#11	Beam 1, 2, 40 KeV	Lead	POSITIVE	> 5%	KT



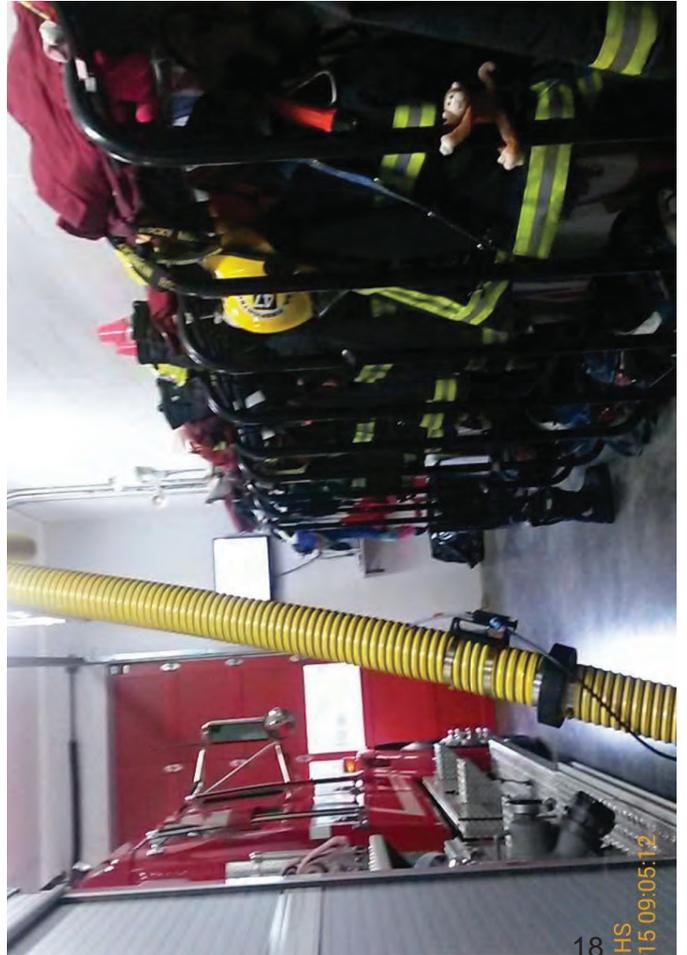




HS  
15 09:09:12



HS  
15 09:06:15



18 HS  
15 09:05:12

