

**American Industrial Hygiene Association
Bulk Asbestos Proficiency Analytical Testing Program
Results of Round A108-316
10/10/2016**

John Herrock University of Louisiana, Monroe - Dept of Toxicology 700 University Ave. Monroe, LA 71209 UNITED STATES	Laboratory ID Number 213022	Total Penalty Points 0 Round Status P Program Status P
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Lot Designation\Sample ID Numbers	A) 1761	B) 2702	C) 1897	D) 4134
Analysis Results from Laboratory Number 213022				
Asbestos (%)	CHRY (3)	ANTH(22)	NONE	CHRY (1)
Other Fibrous Materials (%)	FBGL (1)			
Nonfibrous Material (%)	ACID (52) MICA (33)	OTHR (55) MICA (11)	ACID (60) OTHR (38)	OTHR (60) ACID (29)
Penalty Points Assessed	0	0	0	0
Analysis Results from Reference Laboratory One				
Asbestos (%)	CHRY (5.8) ACTN (0.1)	ANTH (12)	NONE	CHRY (3.8)
Other Fibrous Materials (%)	CELL (0.1)	OTHR * ₁ (0.1)		CELL (1)
Nonfibrous Material (%)	MICA (45) CASO (49)	OTHR * ₂ (87.9)	OTHR * ₃ (35) OTHR * ₄ (65)	PERL (20) OTHR * ₅ (20) OTHR * ₆ (55.2)
Analysis Results from Reference Laboratory Two				
Asbestos (%)	CHRY (2.5) TREM(trace)	ANTH (28)	(0)	CHRY(3.5%)
Other Fibrous Materials (%)	FBGL (trace)			
Nonfibrous Material (%)	OTHR * ₇ (60) OTHR * ₈ (37.5)	OTHR * ₉ (24) OTHR * ₁₀ (48)	OTHR * ₁₁ (80) OTHR * ₁₂ (18) OTHR * ₁₃ (2)	OTHR * ₁₄ (20) OTHR * ₁₅ (76.5)
Analysis Results from RTI International				
Asbestos (%)	CHRY (4) ACTN (Tra)	ANTH (28)	NONE	CHRY (3)
Other Fibrous Materials (%)		OTHR * ₁₆ (Tra)	POLY (Tra)	CELL (1) OTHR * ₁₇ (Tra)
Nonfibrous Material (%)	MICA (29) CASO (67)	OTHR * ₁₈ (53) OTHR * ₁₉ (19)	CACO (89) OTHR * ₂₀ (9) OTHR * ₂₁ (2)	OTHR * ₂₂ (28) PERL (45) OTHR * ₂₃ (23)
Acceptable Quantitation Range (%)	CHRY (TRA-10) ACTN/TREM(TRA)	ANTH(6-55)	NONE	CHRY(TRA-8)
Summary of Results from all Laboratories				
Type One Asbestos	CHRY	ANTH	NONE	CHRY
Type One Mean	6.4	21.5	0.0	2.4
Type Two Asbestos	ACTN/TREM			
Type Two Mean	7.8			
Type Three Asbestos				
Type Three Mean				
Other Asbestos Types Reported in Sample	ANTH, AMOS	ACTN, AMOS, CHRY, CROC, TREM	AMOS, CHRY, TREM	ACTN, ANTH, AMOS, TREM
ACTN=Actinolite	CHRY=Chrysotile	CELL=Cellulose	CACO=Calcium Carbonate (Calcite)	
AMOS=Amosite	CROC=Crocidolite	FBGL=Fiberglass/Mineral	CASO=Calcium Sulfate (Gypsum)	
ANTH=Anthophyllite	TREM=Tremolite	Wool	MICA=Micaceous Material	
		SYNT=Synthetic	OTHR=Other	
			TRA=Trace	
P=Proficient	NP=Nonproficient	I=Incomplete		

Footnotes explaining "OTHR" materials identified during sample analysis:

- *1 talc
- *2 clay-mica cement
- *3 calcite aggregate
- *4 vinyl binders / pigments
- *5 verm/qtz aggregate
- *6 gypsum 45% , paint 10%
- *7 calcareous material in acid
- *8 vermiculite
- *9 talc,quartz,feldspars,cement, clay and un-ashed matrix
- *10 ashable material
- *11 calcareous material in acid
- *12 ashable vinyl in ash
- *13 pigments, TiO₂, quartz
- *14 calcareous material in acid
- *15 mica, perlite,clay,talc,quartz, feldspars,opaques
- *16 Talc
- *17 Talc
- *18 Resinous matrix
- *19 Micaceous talc and fine-grained minerals
- *20 Vinyl matrix
- *21 Rutile, tar, gypsum, and quartz
- *22 Gypsum and calcite binders
- *23 Quartz, opaques, pigments, and mica