

350 Hochberg Road, Monroeville, PA 15146

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Laboratory Report

K & L Gates 17 North Second Street 18th Floor Harrisburg, PA 17101 United States

Attention: Mr. David Raphael Telephone: 717-231-4504

Report Date 06/27/2019
Sample Receipt Date 06/03/2019
RJ Lee Group Job No. LLH901997-10

Authorization/P.O. No. Client Job No./Name

Analysis: Asbestos in Bulk Samples by Point Count

Method: EPA/600/R-93/116

RJLG Sample Number	Client Sample Number	Homogeneous	# of Layers	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst - Analysis Date
3158836.HPL	14 - RH #22	Yes	1	ND	<0.1 OF	100.00	Q, AM, OP, M	WT-06/27/2019
Description:	Gray Crushed Rock. 1000 Point Count. Detection Limit=0.1%. <	:0.1% OF= <0.1%	Actinolite Cleava	age.				
Weight Loss: 0.0%								
3158837.HPL	15 - RH #23	Yes	1	ND	<0.1 OF	100.00	Q, AM, OP, M	WT-06/27/2019
Description:	Beige Crushed Rock. 1000 Point Count. Detection Limit=0.1%.	:0.1% OF= <0.1%	Actinolite Cleava	age.				
Weight Loss: 0.0%								
3158838.HPL	16 - RH #24	Yes	1	ND		100.00	Q, OP, M	WT-06/25/2019
Description:	Gray Crushed Rock. 1000 Point Count. Detection Limit=0.1%.							
Weight Loss: 0.0%								



Client Job No./Na	ame:					RJ Lee (Group Job No:	LLH901997-1
RJLG Sample Number	Client Sample Number	Homogeneous	# of Layers	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst - Analysis Date
3158839.HPL	17 - RH #25	Yes	1	ND	<0.1 OF	100.00	Q, AM, OP, M	WT-06/25/2019
Description:	Gray Crushed Rock. 1000 Point Count. Detection Limit=0.1%. <	0.1% OF= <0.1%	Actinolite Cleava	age				
Weight Loss: 0.0%								
3158840.HPL	18 - RH #26	Yes	1	<0.1 AC		100.00	Q, OP, M	WT-06/26/2019
Description:	Beige Crushed Rock. 1000 Point Count. Detection Limit=0.1%.							
Weight Loss: 0.0%								
3158841.HPL	19 - RH #27	Yes	1	ND		100.00	Q, CA, OP, M	WT-06/26/2019
Description:	Tan Crushed Rock. 1000 Point Count. Detection Limit=0.1%.							
Weight Loss: 0.0%								
3158842.HPL	20 - RH #28	Yes	1	ND		100.00	Q, CA, OP, M	WT-06/26/2019
Description:	Tan Crushed Rock. 1000 Point Count. Detection Limit=0.1%.							
Weight Loss: 0.0%								
3158843.HPL	21 - RH #29	Yes	1	<0.1 AC	0.20 OF	99.80	Q, OP, M	WT-06/27/2019
Description:	Gray Crushed Rock. 1000 Point Count. Detection Limit=0.1%. 0	.2% OF= 0.2% Ac	tinolite Cleavage).				
Weight Loss: 0.0%								
3158844.HPL	22 - RH #30	Yes	1	ND	0.20 OF	99.80	Q, AM, OP, M	WT-06/27/2019
Description:	Gray Crushed Rock. 1000 Point Count. Detection Limit=0.1%. 0	.2% OF= 0.2% Ac	tinolite Cleavage).				
Weight Loss: 0.0%								





Client Job No./Na	ame:					RJ Lee (Group Job No:	LLH901997-10	
RJLG Sample Number	Client Sample Number	Homogeneous	# of Layers	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst - Analysis Date	
3158845.HPL	23 - RH #31	Yes	1	ND	0.20 OF	99.80	Q, CA, AM, OP, M	WT-06/27/2019	
Description:	Gray Crushed Rock. 1000 Point Count. Detection L	.imit=0.1%. 0.2% OF= 0.2% Act	tinolite Cleavage	Э.					
Weight Loss: 0.0%									
3158846.HPL	24 - RH #32	Yes	1	ND	0.30 OF	99.70	Q, AM, OP, M	WT-06/27/2019	
Description:	Gray Crushed Rock. 1000 Point Count. Detection L	.imit=0.1%. 0.3% OF= 0.3% Act	tinolite Cleavage	э.					
Weight Loss: 0.0%									
3158847.HPL	25 - RH #33	Yes	1	ND	0.80 OF	99.20	Q, AM, OP, M	WT-06/27/2019	
Description:	Gray Crushed Rock. 1000 Point Count. Detection L Tremolite Cleavage. 0.6% OF	.imit=0.1%. Total of Amphibole = 0.6% Actinolite Cleavage.	Cleavage=0.8%	o. 0.2% is Tremolite	Cleavage, 0.8% is Act	inolite Cleavage. 0.2	2% OF= 0.2%		
Weight Loss: 0.0%									



Client Job No./N	ame:				RJ Lee	Group Job No:	LLH901997-10
RJLG Sample	Client Sample	# of L	ayers Asbestos	Non-Asbestos	Non-Fibrous	Matrix	Analyst - Analysis
Number	Number	Homogeneous	Detected(%)	Fibers(%)	Materials(%)	Material	Date

Authorized Signature:

Wei Tseng, Microscopist

= Quartz

= Vermiculite

= Tar

NON-FIBROUS MATERIALS

= Mica

= Opaque

= Organic

= Perlite

MI

= Hydromagnesite

= Miscellaneous

NON-ASBESTOS **ASBESTOS**

CE = Cellulose MW = Mineral Wool FG = Fibrous Glass = Synthetic Fibers = Hair = Wollastonite

AM = Amphibole = Binder = Carbonates = Clay = Feldspar = Gypsum = Other Fibers

DISCLAIMER NOTES

AM = Amosite

AC = Actinolite

AN = Anthophyllite

CH = Chrysotile

CR = Crocidolite

TR = Tremolite

- · "ND" indicates no asbestos was detected; the method detection limit is 0.1%.
- "Trace" or "<" indicates asbestos was identified in the sample, but the concentration is less than the method quantitation limit. PLM coefficients of variance range from approximately 1.8 at the quantitation limit of 0.25% to 0.32 at high fiber concentrations.
- · Samples are archived for three months following analysis and are then properly discarded.
- · These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which these results are used or interpreted.
- · This test report relates to the items tested.
- This report is not valid unless it bears the name of a NVLAP Lab Code 101208-0 approved signatory.
- · Any reproduction of this document must be in full in order for the report to be valid.
- · This report may not be used to claim product endorsement by NVLAP Lab Code 101208-0, any agency of the U.S. Government or any other laboratory accrediting agency.
- · Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar nonfriable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as "non-asbestos-containing."
- · Sample(s) for this project were analyzed at our: Monroeville, PA (AIHA #100364, NY ELAP #10884) facility.
- · If RJ Lee Group, Inc. did not collect the samples analyzed, the verifiability of the laboratorys results are limited to the reported values.
- · ((100-A)/B)*C = Asbestos Detected (%), where A=weight loss, B=total # of points counted, and C=total # of asbestos fibers counted.



1	06/25/19	Analyst:	WT	Scope:	023-0191	•	Sample Description:	Cryan	Crushe	ol Rock	٤ ـ		
RJ Lee Gro	up umber: 315	8836						(000	POINT CO	unt. De	tection	Limit = c	1 %
RJ Lee Gro	up umber: 315 up umber: LU	1901997	-10				Comments /			1,		innestra de la companya de la compa	·
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Analysis M Stereo- scope	lethou:						# of Preps: (o	Home Ly	genous N	QC Y N	QC Analyst:	-	
		Asbestos		Color/Ple		Indices o	f Refraction	Birefrin-	Sign of	Extinction		Lant	
%	%	Type	Morphology			11	<u>.</u>	gence	Elongation	Angle	NFM%	(00%	
	りた	ND	w c s					L M	PN		Quartz	Carbonates	Vermiculite
			WCS					L M	PN		Tar	Binder	(paques
			W C S					L M	PN		Perlite	Amphibole	Gypsum
	% N	lon-Asbestos	Fibers	Optical Pro	perties	Layered Res	<u>sults</u>	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mica
	<0,(%	Actinals	k Clearne	KI.							Clay	Organic Part,	Diatoms
			0	•				:			MISC Rartio	cles Foam	Foll
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Detection limit = (000 x100% = 0,1%



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	21150/19	Manager and the second	· ·	Additional Sli		·		
Date:	06/25/19	Analyst	WT		Microscope: _	023, 641		
RJ Lee	Group Sample	e Number: <u>3158</u>	£36	RJ Lee	Group Project	Number:	LL1-1 901997	:-10
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Date:	06/25/19	Analyst:	_WT	Scope:	023-0P	<u>:</u> T	Sample Description:	Beig	e Crus	hed 1	ock		
RJ Lee Gro Sample Nu	imber: 5	158837					Comments /	(000)	Point C	ount. j)-etection	Limit	=0,1%
RJ Lee Gro Project Nu Analysis M	mber:	LH 9016	197-10				# of Layers:						
Stereo- scope							# of Preps: {0	Homo (y)	ogenous N	QC Y N	QC Analyst:		
%	%	Asbestos Type	Morphology	Color/Ple II	ochroism 上	Indices o	f Refraction _L	Birefrin- gence	Sign of Elongation	Extinction Angle	NFM% (0	0%	
	0%	NO	wcs					L M	PN		Quartz	Carbonates	Vermiculite
			wcs					LM	PN		Tar	Binder	opagues
			wcs					LM	PN		Perlite	Amphibole	Gypsum
	%	Non-Asbestos	Fibers	Optical Pro	perties	Layered Res	ults	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mica
	<0.1/0	Activolite	Clewage	R.D	•						Clay Miso Particles	Organic Part. Foam	Diatoms Foil
											IVIISCIPAL LICIES	roam	FOII
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Detection Limit = (000×100% =0,1%



Form F OPT.001

PLM Point Count Additional Slides Worksheet

Date: _	06/25/19	Analyst:	W	Microscope: 023-011	-
RJ Lee G	Group Sample Numbe	r: 3(588.	37	RJ Lee Group Project Number:	LU1901997-10

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Date: Q	06/25/19	Analyst:	WT	Scope:	023-01	PT	Sample Description:	Gray	Crushe	1 Rock			
RJ Lee Grou Sample Nu RJ Lee Grou Project Nu Analysis M	imber: 3(up mber: LU	58838 190199	7-10				Comments / # of Layers:	×1				Limit = Oil	0 /0
Stereo- scope							# of Preps:	Homo Y	ogenous N	QC Y N	QC Analyst:		
%	%	Asbestos Type	Morphology	Color/Ple	ochroism L	Indices of	f Refraction 上	Birefrin- gence	Sign of Elongation	Extinction Angle	NFM%	(00%	
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			wcs					L M	PN		Tar	Binder	Opaques
			WCS				Andrew	LM	PN	ļ	Perlite	Amphibole	Gypsum
	% N	lon-Asbestos	Fibers	Optical Pro	perties	Layered Res	ults	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mica
											Clay	Organic Part.	Dlatoms
							i				Misc Particl	es Foam	Foil
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Detection Limit = 1000 ×100% = 0.1%

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Control Box	DELIVE	RING SCIEN	ITIFIC RESOLUTION

Form F OPT.001

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Date:	06/25/19	Analyst:	WT	Microscope: 023-0PF	
RJ Lee	Group Sample Numbe	r: 3/58f3f		RJ Lee Group Project Number: LLH901997 -(0	

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Date:	06/25/19	Analyst:	WT	Scope:	02}-0	pi-	Sample Description:	Gray	Crush	ed Roc	.k.		
RJ Lee Gro Sample Nu RJ Lee Gro Project Nu Analysis M	umber: 51 up umber: LL	58839 190199	7-10				Comments / # of Layers:	700) 	POLNT	Count.	Detect	ion Limi	t =0.1%
Stereo- scope							# of Preps: (O	Hemo	ogenous N	QC Y N	QC Analyst;		
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	θ/,	ΝD	w c s					L M	PN		(uart)	Carbonates	Vermiculite
			wcs					L M	PN		Har	Binder	Opaques
			wcs					LM	PN		Perlite	Amphibole	Gypsum
	%	Non-Asbestos	Fibers	Optical Pro	perties	Layered Res	sults	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mica
	<0.1%	Actionstite	Cleanage	R.I.							Clay Misc Particle	Organic Part, s Foam	Diatoms Foll
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Detection Limit= 1000 ×100% = 0.1%



Form F OPT.001

PLM Point Count Additional	Slides Worksheet

Date: <u>δζ/25/ί</u> Α	nalyst: Wī	Microscope: 023-0PT
RJ Lee Group Sample Number:	3158839	RJ Lee Group Project Number: LLH901997-(0

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Date: (06/25/19	Analyst:	M	Scope:	0>3~0	PF	Sample Description:	Beige	Crushe	d Roy	<u> </u>		
	$_{\rm imper}$ 3/)	58840	0									Limit = 0.	1%
RJ Lee Gro Project Nu	ımber:	490199	7-10				# of Layers:						
Analysis M Stereo- scope	letnoa:						# of Preps: (O	Homo (Y)	ogenous N	QC Y N	QC Analyst:		
%	%	Asbestos Type	Morphology	Color/Ple	eochroism 上	Indices of	f Refraction 	Birefrin- gence	Sign of Elongation	Extinction Angle	NFM%	100%	
	<0.1%	Activolife	w c 6)	GR	N	[.638	1.628	ιØ	(P) N	PL	Quartz	Carbonates	Vermiculite
			wcs					LM	P N		Tar	Binder	Opaques
			wcs					LM	PN		Perlite	Amphibole	Gypsum
	%	Non-Asbestos	Fibers	Optical Pr	operties	Layered Res	ults	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mica
	g itan i										Clay	Organic Part.	Diatoms
											Misq Panticle	s Foam	Foil
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Detection Limit = 100 ×100% = 0.1%



Form F OPT.001

Date:	06/25/19	A	nalyst:	WT	Mid	croscope: _	023-0ri			
RJ Lee G	roup Sample	e Number:	315884	40	RJ Lee Gro	oup Project	Number:	<u>LL1-19019</u>	197-10	
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Date: (56/26/19	Analyst:	WT	Scope:	023-0	PT	Sample Description:	Tan	Grushed	1 Rode	7		
RJ Lee Gro Project Nu	mber: 37 up mber: <i>LLI</i>	5884 190199	7-10			Comments / # of Layers:	(000	Point (ount.	Detect	ion Limit	=0,100	
Analysis M Stereo- scope	ethod:						# of Preps: しつ	Home (Y	egenous) N	QC Y N	QC Analyst:		
%	%	Asbestos Type	Morphology	Color/Ple	eochroism 上	Indices of	f Refraction 上	Birefrin- gence	Sign of Elongation	Extinction Angle	NFM%	100%	
	ರಿ%	MD	w c s					L M	P N		guart2	Carbonates	Vermiculite
		`	WCS					L M	PN		Tar	Binder	Opaques
			wcs					L M	P N		Perlite	Amphibole	Gypsum
	% N	Non-Asbestos	Fibers	Optical Pro	operties	Layered Res	sults	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mica
											Clay	Organic Part.	Dlatoms
											Misc Partic	les Foam	Foll
											7		
	attack to the												
							*						

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Detection Limit= 1000 ×100% = 0.1%



Form F OPT.001

PLM Point Count Additional Slides Worksheet

Date: _	06/26/19	Analyst:	WT	Microscope: _	023-01	<u> </u>
RJ Lee G	Group Sample Numbe	r: <u>3/5</u> 88	241	RJ Lee Group Project	: Number:	LLH901997-10

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Total									

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Date: (06/26/19	Analyst:	_ WT	Scope:	023-0	PT	Sample Description:	Tan	Crushe	d Rocl	۷,		
RJ Lee Gro Sample Nu	oup umber: 3 (5	8842	1 .				Comments /	(000	Point C	ount- D	erecti	on Limit=), (%
Project Nu	ımber:	1 40 (44.	f ~(o				# of Layers:	 					
Analysis M Stereo- scope	1ethod:						# of Preps: (0	Home (Y	ogenous N	QC Y N	QC Analyst:		
%	%	Asbestos Type	Morphology	Color/Ple	ochroism 		f Refraction 上	Birefrin- gence	Sign of Elongation	Extinction Angle	NFM%	(00%	
	0%	ND	wcs					LM	P N		Qua)tz	Carbonates	Vermiculite
			WCS					L M	P N		Tar	Binder	Opaques
			WCS					L M	P N	A 4-+	Perlite	Amphibole	Gypsum
	36 N	lon-Asbestos	Fibers	Optical Pro	pperties	Layered Res	sults	Asbestos	Non-Asb.	Matrix	Talc Clay Milc Paytic	Feldspar Organic Part, iles Foam	Mica Diatoms Foli

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Total	(00)	(00	(00	(00	(00	(00	(00	(00	Aso

Defection limit = 100 ×100 /6 =0,1 %



Form F OPT.001

Date:	06/26/19	Ar	nalyst:	У	Mic	croscope: _	023-191	- 		
RJ Lee Gr	oup Sample	Number: _	31588	(r	RJ Lee Gro	oup Project	Number:	CL1-19019	97-10	
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T		200 Power at a 2000							Alaman ngo
Total									



Date:	06(26/19	Analyst:	WT	Scope:	973-0	٦٢	Sample Description:	Gray	Crush	ed Roc	ck.		
RJ Lee Gro Sample Nu		58843						(000)	WINT COU	nt. Det	ection L	imit=0.	(/)
RJ Lee Gro Project Nu	up Imber: LL	149019	197-10				Comments / # of Layers:						
Analysis M Stereo-							# of Preps: (ひ	Høme	ogenous N	QC Y N	QC Analyst:		
scope %	- %	Asbestos Type	Morphology	Color/Ple	ochroism 		f Refraction	Birefrin-	Sign of Elongation	Extinction Angle		9.8%	
	2011/0		w c(<u>s</u>)	GR	N	1.638	1.629	r 🚳	® N	PL	Quartz	Carbonates	Vermiculite
			wcs					L M	PN		Tar	Binder	Opagues
			w c s					LM	PN		Perlite	Artiphibale	Gypsum
		Non-Asbestos	Fibers	Optical Pr	operties	Layered Res	<u>sults</u>	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mica
	0.2%	Actinolite	clempe	n,I							Clay Misc Ranticle	Organic Part.	Diatoms Foli

Type ASB	Slide 1	Slide 2	Slide 3	Slide 4	Slide 5	Sllde 6	Slide 7	Slide 8	Total	
CLE	1	0	0	J.	1	0	0	0	.0.2	WTO 6/26/19 WYO6126/19
IVAS	99	100	(00	100	99	100	lov	100	-A00198	W-06126/19
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	1.55	1.0	100	[00	100	1.55		1 1		
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Detection Limit = 1000 ×100%=011%



Form F OPT.001

PLM Point Count Additional Slides Worksheet

Date: _	06/26/19	Analyst:	WT.	Microscope:	023-0	PT
RJ Lee	Group Sample Numbe	r: 315884	3	RJ Lee Group Project	t Number:	LLH901997-10

Туре	Slide 9	Slide (0	Slide	Slide	Slide	_ Slide	_ Slide	_ Slide	Total	
ASB	0	J							J	0
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Total								:	

Туре	Slide	Total							
	-								
Total									



Date:	0627/19	Analyst:	WT	Scope:	023-01	? [Sample Description:	Gray	Crushe	d Roc	k,		
RJ Lee Gro	umber: 3(9)	58844 1901997	(0				Comments /	(000)	Powt	Count.	Datection	L'init =	مرا%
Project Nu Analysis M Stereo- scope							# of Cayers.	Home	ogenous N	QC Y N	QC Analyst:		
%	%	Asbestos Type	Morphology	Color/Ple	ochroism L		f Refraction 	Birefrin- gence	Sign of Elongation	Extinction Angle	NFM% 99.	8%	
	03.	ND	wcs					L M	P N		Quartz	Carbonates	Vermiculite
			WCS					LM	P N		Tar	Binder	Opaques
			WCS	Outled Bu		Lavarad Dag	L	L M Asbestos	P N Non-Asb.	Matrix	Perlite	Amphilole	Gypsum
	%)[Di2/s	Non-Asbestos Acfinolif	C Cleavage	Optical Pro		<u>Layered Res</u>	suits	ASDESTOS	Non-ASD.	IVIATUR	Talc Clay Misc Particles	Feldspar Organic Part. Foam	Mica Diatoms Foil

Туре А5В	Slide 1	Slide 2	Slide 3	Slide 4	Slide 5	Slide 6	Slide 7	Slide 8	Total O
CLE	(00	00	(00)	(66) O	2 98	0 (00	(00)	<i>O</i> (00	00 798
Total	(00)	[00]	(00	(00	100	(00)	(00	(00	800

Detection Limit = 1000 ×100 % = 0,1%



Form F OPT.001

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		,	PLM Point	<u>Count Add</u>	itional Slide	es Workshe	<u>et</u>				
Date: _	06/27/19	A	nalyst:	W	M	icroscope:	02-3-0PF				
RJ Lee G	roup Sample	e Number:	3158849	Į.	RJ Lee Group Project Number: LLM						
Туре	Slide 9	Slide (3	Slide	Slide	Slide	Slide	Slide	Slide	Total		
ASB	0	0							0		
CLE	O.	0							0		
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Total	(00)	(00							200		
Туре	Slide	Slide	Slide	Slide	Slide	Slide	Slide	Slide	Total		
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Туре	Slide	Total							
					:				
Total									



Date: (06/27/19	Analyst:	_WT	Scope:	023-019	r	Sample Description;		Crush				
RJ Lee Gro Sample Nu RJ Lee Gro Project Nu Analysis M	umber: 31 oup LL umber:	58845 H90199	7-(0				Comments / # of Layers:	(000)	Point (ount - (De tection	Limit	-0.1%
Stereo- scope							# of Preps: (0	Homo	genous N	QC Y N	QC Analyst:		
%	%	Asbestos Type	Morphology	Color/Ple	ochroism L	Indices o	f Refraction 	Birefrin- gence	Sign of Elongation	Extinction Angle	NFM% 9	9.8%	
	9%	NO	WCS					LM	PN		Quartz	Carbonates	Vermiculite
			wcs					LM	PN		Tar	Binder	Opagues
	71.945,455.0		WCS					LM	PN		Perlite	Amphibole	Gypsum
	% [Non-Asbestos	Fibers	Optical Pro	opertles	Layered Res	sults	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mica
	0.2%	Activolit	e Cleanige	12.3	<u>- </u>			:			Clay Mis Particles	Organic Part. Foam	Diatoms Foli
	1/1/2/11												
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Type	Slide 1	Slide 2	Slide 3	Slide 4	Slide 5	Slide 6	Slide 7 ပဲ	Slide 8	Total O
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NAS	(0 0	(७०	98	(00	(00	(00	100	100	798
Total	(00)	601	(00)	CBJ	(00	(00	(১٥	(00)	Boo



Form F OPT.001

ы	M	Point	Count	Additional	Slides	Worksheet

Date:	6/27/17	Ar	nalyst:	W	Mic	croscope: _	023-0195			
RJ Lee Gr	oup Sample	· Number:	315880	45	RJ Lee Gro	oup Project	Number:	LLH 90199	7-10	
										_
Туре	Slide <u>q</u>	Slide <u>(0</u>	Slide	Slide	Slide	Slide	Slide	Slide	Total	
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CUE	o	0							Ø	2

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Total	(00	(00				200	
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Туре	Slide	Total							
Total									

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06/27/19	Analyst:	w	Scope:	023-01	<u> </u>	Sample Description:	Grac	y Crust	ned No	iek.		
oup umber: 3/50 oup umber: LL/	P846 190199	7-10				Comments / # of Layers:	(000	Point	COUNT.	Detec	fron Lini	+=0.1%
dethod:						# of [\heartsuit Preps:			QC Y N	QC Analyst:		
6 %	Asbestos Type	Morphology	Color/Ple II	ochroism 上	Indices o	f Refraction 	Birefrin- gence	Sign of Elongation	Extinction Angle	NFM%	99.7%	
0%	ND	w c s					L M	PN		quartz	Carbonates	Vermiculite
		wcs					L M	PN		Tar	Binder	(paque)s
		w c s					LM	PN		Perlite	Amphibole	Gypsum
% N	Ion-Asbestos	Fibers	Optical Pro	operties	Layered Res	<u>sults</u>	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mica
0.3%	Activoli	te Cleavage	R.	Ĭ.						Clay Miso Parti	Organic Part. cles Foam	Diatoms Foil
0 1 0 1	up imber: 3/56 up imber: LL/ iethod: % Oye	up umber: 3/58846 up mber: LLH 90/99 lethod: Asbestos Type O% Non-Asbestos 0:3% Activali	up simber: 3158846 up mber: LLH 901997-10 lethod: Asbestos Type Morphology O% ND W C S W C S W C S W C S Activalite Cleavage	up imber: 3/58846 up mber: LLH 901997-10 lethod: Asbestos Type Morphology II O% ND W C S W C S W C S W C S Non-Asbestos Fibers Optical Pro Action Lt Cleavage M.	up simber: 3/58846 up mber: LLH 901997-10 lethod: Asbestos Type Morphology II OY W C S W C S W C S W C S W C S Optical Properties Ocident Properties	imber: 3158846 up imber: LLH 901997-10 lethod: Asbestos Type Morphology II I II O% ND W CS W CS W CS W CS W CS Activolife Cleavage Ref	Up amber: 3/58846 Up LLH 901997-10 # of Layers: dethod: # of Layers: # of Loyers: # of Loyers:	Up amber: 3/58846 Up LLH 901997-10 Hethod: # of Layers: # of Layers:	Up amber: 3/58846 Up LLH 90197-10 Asbestos Horphology II I I I I I I I I I I I I I I I I I	Description: Orange Count Coun	Up imber: 3/58846 up LLH 901997-10 Homegenous Way Northology II	Up unber: 3/58846 up LLH 901997-10 # of Luyers: # of Preps:

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NAS	99	100	100	98	100	(৩১	(৩৩	(00	797
			:						, , ,
Total	(७०	(00	(00	100	(00	(00	100	100	Av o

Detection Limit = 1000 × 100% =0.1%



Form F OPT.001

PLM Point Count Additional Slides Worksheet

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06/27/19	A	nalyst:	WT	N	Microscope:	023-05	7	
roup Sample	e Number:	31588	46	RJ Lee G	Group Projec	ct Number:	14-1901	997-10
Slide <u>9</u>	Slide (0	Slide	Slide	_ Slide	Slide	_ Slide	_ Slide	Total
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0	Ð)
(9)	(00							ಌು೦
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	Slide <u>G</u> O (O)	Slide 9 Slide 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Slide G Slide Slide O O O O O O O O O O O O O O O O O O O	Slide G Slide C Slide Slide Slide CO O O O O O O O O O O O O O O O O O O	Slide G Slide Slid	Analyst: Microscope: roup Sample Number:	Slide Group Project Number: Slide Slide Slide Slide Slide Slide Slide O O O O O O Slide Slide Slide Slide Slide Slide Slide Slide Slide Slide Slide Slide Slide Slide Slide Slide Slide Slide	Slide Slid

Туре	Slide	Slide	_ Slide	_ Slide	_ Slide	Slide	Slide	Slide	Total
Total									



Date:	06/27/19	Analyst:	WT	Scope:	02J-0P	<u> </u>	Sample Description:	Gray	Crushe	d Roc	k.		
RJ Lee Gro Sample Nu RJ Lee Gro Project Nu	mber: 31 up mber: L(58847 .H90199:	A-(O				Comments / # of Layers:	(000	point	Count.	<u>Metection</u>	(Mit=0	.1%
Analysis M Stereo- scope	ethod:						# of Preps: [🔿	Home (Y)	ogenous N		QC Analyst:		
%	.%	Asbestos Type	Morphology	Color/Ple	ochroism 上	Indices of	f Refraction 上	Birefrin- gence	Sign of Elongation	Extinction Angle	NFM% 99	2%	
	0%	ND	w c (s)					L M	P N		Quartz.	Carbonates	Vermiculite
			wcs					L M	PN		Tar	Binder	@pagues
			wcs					L M	P N		Perlite	Amphibole	Gypsum
	%	Non-Asbestos	Flbers	Optical Pro	operties	Layered Res	sults	Asbestos	Non-Asb.	Matrix	Talc	Feldspar	Mlca
	0.2%	Tremolit	e cleavage	RI	٠						Clay	Organic Part.	Diatoms
	0,6%	Actinolity	c (eavage	RI							Misc Particles	Foam	Foll
			9										

Туре	Slide 1	Slide 2	Sllde 3	Slide 4	Slide 5	Slide 6	Slide 7	Slide 8	Total
ASB	0	0	0	O	0	O	0	0	0
CLEGre	2 Wroch	10	0	0	ſ	0	0	0	2
NAS	98	99	100	(20	97	99	99	100	792
CLE-(Act)		1	O	J	2	Ì	(0	6
Total	100	100	(00	(00)	[40	100	(00	(00	A٥

Detection Limit = (000 x100%, = 0.1%



Form F OPT.001

PLM Point Count Additional Slides Worksheet

Date:	06/27/19	Analyst:	WT	Microscope:	023-01	2
RJ Lee Gro	oup Sample Number	: 31588	4 <i>7</i>	RJ Lee Group Projec	t Number:	LCH901997-10

Туре	Slide <u>9</u>	Slide <u>(</u> 이	Slide	Slide	Slide	Slide	Slide	Slide	Total	
ASB	0	0							O	0
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MAS	130	(७०							とい 0	99
CLG(Act)	O	0							ð	6
									7.22.20.20.20.20.20.20.20.20.20.20.20.20.	
Total	(00)	(00							200	1/01

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Total									

Туре	Slide	Total							
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Total									