



Analytical Summary Report

Analysis Method: ASTMD422

Reviewed By: Sweta

Parameter: Grain Size - Sieve

Supervisor Review By: apatel

Run Number: LB92360

BalanceID: WC SC-4

Dry Start Date: 12/22/2017 17:10

Dry End Date: 12/26/2017 09:10

In Bal Check1: 1.00

Out Bal Check1: 1.00

In Bal Check100: 100.00

Out Bal Check100: 100.00

Seq	Lab ID	Client ID	Dish Weight (g)	Dish + Sample Weight (g)	Net Sample Weight (g)	Dish + Dry Sample Weight (g)	Dry Sample Weight (g)	Anal Date	Anal Time
1	I7064-01	SAMPLE-1	120.09	724.82	604.73	678.74	558.65	12/26/2017	10:15
2	I7064-03	SAMPLE-2	124.50	677.45	552.95	628.36	503.86	12/26/2017	10:45
3	I7064-05	SAMPLE-3	263.20	880.08	616.88	831.40	568.20	12/26/2017	11:15
4	I7064-07	SAMPLE-4	235.28	828.98	593.70	776.36	541.08	12/26/2017	11:45
5	I7064-09	SAMPLE-5	240.54	860.90	620.36	815.22	574.68	12/26/2017	12:15
6	I7064-11	SAMPLE-6	235.85	859.66	623.81	793.21	557.36	12/26/2017	12:45
7	I7064-13	SAMPLE-7	100.13	1043.64	943.51	912.33	812.20	12/26/2017	13:15
8	I7064-15	SAMPLE-8	102.49	828.06	725.57	732.09	629.60	12/26/2017	13:45
9	I7064-17	SAMPLE-9	107.13	761.87	654.74	689.63	582.50	12/26/2017	14:15
10	I7064-19	SAMPLE-10	102.72	668.90	566.18	614.95	512.23	12/26/2017	14:45

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-01	3/8 (In)	9.5	67.53	67.53	558.65	491.12	87.91
I7064-01	#4	4.75	47.16	114.69	491.12	443.96	90.40
I7064-01	#10	2	63.43	178.12	443.96	380.53	85.71
I7064-01	#20	0.85	140.99	319.11	380.53	239.54	62.95
I7064-01	#40	0.425	138.35	457.46	239.54	101.19	42.24
I7064-01	#60	0.25	60.15	517.61	101.19	41.04	40.56
I7064-01	#100	0.15	22.4	540.01	41.04	18.64	45.42
I7064-01	#140	0.105	5.8	545.81	18.64	12.84	68.88
I7064-01	#200	0.075	4.5	550.31	12.84	8.34	64.95
I7064-01	Pan		7.95	558.26			

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-03	3/8 (In)	9.5	43.45	43.45	503.86	460.41	91.38
I7064-03	#4	4.75	41.83	85.28	460.41	418.58	90.91
I7064-03	#10	2	80.9	166.18	418.58	337.68	80.67
I7064-03	#20	0.85	117.3	283.48	337.68	220.38	65.26
I7064-03	#40	0.425	119.75	403.23	220.38	100.63	45.66
I7064-03	#60	0.25	61.85	465.08	100.63	38.78	38.54
I7064-03	#100	0.15	21.13	486.21	38.78	17.65	45.51
I7064-03	#140	0.105	5.3	491.51	17.65	12.35	69.97
I7064-03	#200	0.075	4.37	495.88	12.35	7.98	64.62
I7064-03	Pan		7.25	503.13			

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-05	3/8 (In)	9.5	83.82	83.82	568.20	484.38	85.25
I7064-05	#4	4.75	44.63	128.45	484.38	439.75	90.79
I7064-05	#10	2	74.17	202.62	439.75	365.58	83.13
I7064-05	#20	0.85	123.5	326.12	365.58	242.08	66.22
I7064-05	#40	0.425	114.38	440.50	242.08	127.70	52.75
I7064-05	#60	0.25	74.2	514.70	127.70	53.50	41.90
I7064-05	#100	0.15	29.7	544.40	53.50	23.80	44.49
I7064-05	#140	0.105	7.8	552.20	23.80	16.00	67.23
I7064-05	#200	0.075	5.6	557.80	16.00	10.40	65.00
I7064-05	Pan		9.6	567.40			

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-07	3/8 (In)	9.5	88.6	88.60	541.08	452.48	83.63
I7064-07	#4	4.75	45.56	134.16	452.48	406.92	89.93
I7064-07	#10	2	60.78	194.94	406.92	346.14	85.06
I7064-07	#20	0.85	125.45	320.39	346.14	220.69	63.76
I7064-07	#40	0.425	108.43	428.82	220.69	112.26	50.87
I7064-07	#60	0.25	60.3	489.12	112.26	51.96	46.29
I7064-07	#100	0.15	25.31	514.43	51.96	26.65	51.29
I7064-07	#140	0.105	7.44	521.87	26.65	19.21	72.08
I7064-07	#200	0.075	5.54	527.41	19.21	13.67	71.16
I7064-07	Pan		12.41	539.82			

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-09	3/8 (In)	9.5	73.22	73.22	574.68	501.46	87.26
I7064-09	#4	4.75	48.22	121.44	501.46	453.24	90.38
I7064-09	#10	2	58.71	180.15	453.24	394.53	87.05
I7064-09	#20	0.85	127.77	307.92	394.53	266.76	67.61
I7064-09	#40	0.425	130	437.92	266.76	136.76	51.27
I7064-09	#60	0.25	81.5	519.42	136.76	55.26	40.41
I7064-09	#100	0.15	29.26	548.68	55.26	26.00	47.05
I7064-09	#140	0.105	7.34	556.02	26.00	18.66	71.77
I7064-09	#200	0.075	5.5	561.52	18.66	13.16	70.53
I7064-09	Pan		11.51	573.03			

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-11	3/8 (In)	9.5	65.58	65.58	557.36	491.78	88.23
I7064-11	#4	4.75	55.01	120.59	491.78	436.77	88.81
I7064-11	#10	2	61.28	181.87	436.77	375.49	85.97
I7064-11	#20	0.85	155.34	337.21	375.49	220.15	58.63
I7064-11	#40	0.425	86.87	424.08	220.15	133.28	60.54
I7064-11	#60	0.25	68.73	492.81	133.28	64.55	48.43
I7064-11	#100	0.15	31.79	524.60	64.55	32.76	50.75
I7064-11	#140	0.105	8.84	533.44	32.76	23.92	73.02
I7064-11	#200	0.075	7.05	540.49	23.92	16.87	70.53
I7064-11	Pan		15.92	556.41			

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-13	3/8 (In)	9.5	110.8	110.80	812.20	701.40	86.36
I7064-13	#4	4.75	88.85	199.65	701.40	612.55	87.33
I7064-13	#10	2	107.15	306.80	612.55	505.40	82.51
I7064-13	#20	0.85	122.15	428.95	505.40	383.25	75.83
I7064-13	#40	0.425	162.87	591.82	383.25	220.38	57.50
I7064-13	#60	0.25	111	702.82	220.38	109.38	49.63
I7064-13	#100	0.15	49.66	752.48	109.38	59.72	54.60
I7064-13	#140	0.105	16.22	768.70	59.72	43.50	72.84
I7064-13	#200	0.075	13.87	782.57	43.50	29.63	68.11
I7064-13	Pan		29.45	812.02			

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-15	3/8 (In)	9.5	97.28	97.28	629.60	532.32	84.55
I7064-15	#4	4.75	47.93	145.21	532.32	484.39	91.00
I7064-15	#10	2	66.73	211.94	484.39	417.66	86.22
I7064-15	#20	0.85	87.48	299.42	417.66	330.18	79.05
I7064-15	#40	0.425	113.83	413.25	330.18	216.35	65.52
I7064-15	#60	0.25	105.54	518.79	216.35	110.81	51.22
I7064-15	#100	0.15	51.6	570.39	110.81	59.21	53.43
I7064-15	#140	0.105	15.84	586.23	59.21	43.37	73.25
I7064-15	#200	0.075	12.12	598.35	43.37	31.25	72.05
I7064-15	Pan		30.86	629.21			

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-17	3/8 (In)	9.5	100.47	100.47	582.50	482.03	82.75
I7064-17	#4	4.75	57.55	158.02	482.03	424.48	88.06
I7064-17	#10	2	105.01	263.03	424.48	319.47	75.26
I7064-17	#20	0.85	116.6	379.63	319.47	202.87	63.50
I7064-17	#40	0.425	73.33	452.96	202.87	129.54	63.85
I7064-17	#60	0.25	60.68	513.64	129.54	68.86	53.16
I7064-17	#100	0.15	30.6	544.24	68.86	38.26	55.56
I7064-17	#140	0.105	9.88	554.12	38.26	28.38	74.18
I7064-17	#200	0.075	7.94	562.06	28.38	20.44	72.02
I7064-17	Pan		19.47	581.53			

Analytical Summary Report

LabID	Sieve	Size (mm)	Weight Retained (g)	Cumulative Weight (g)	ON (g)	Passed (g)	%Passing
I7064-19	3/8 (In)	9.5	53.48	53.48	512.23	458.75	89.56
I7064-19	#4	4.75	38.7	92.18	458.75	420.05	91.56
I7064-19	#10	2	93.36	185.54	420.05	326.69	77.77
I7064-19	#20	0.85	147.76	333.30	326.69	178.93	54.77
I7064-19	#40	0.425	81.61	414.91	178.93	97.32	54.39
I7064-19	#60	0.25	51.67	466.58	97.32	45.65	46.91
I7064-19	#100	0.15	22.71	489.29	45.65	22.94	50.25
I7064-19	#140	0.105	6.14	495.43	22.94	16.80	73.23
I7064-19	#200	0.075	5.18	500.61	16.80	11.62	69.17
I7064-19	Pan		11	511.61			

WORKLIST(Hardcopy Internal Chain)

LB 92360

WorkList Name : GRAIN SIZE 122217

WorkList ID : 106909

Date : 12/22/2017 4:57:16 PM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
	Solid	I7064-01	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-1	12/22/2017	ASTMD422
	Solid	I7064-03	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-2	12/22/2017	ASTMD422
	Solid	I7064-05	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-3	12/22/2017	ASTMD422
	Solid	I7064-07	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-4	12/22/2017	ASTMD422
	Solid	I7064-09	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-5	12/22/2017	ASTMD422
	Solid	I7064-11	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-6	12/22/2017	ASTMD422
	Solid	I7064-13	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-7	12/22/2017	ASTMD422
	Solid	I7064-15	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-8	12/22/2017	ASTMD422
	Solid	I7064-17	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-9	12/22/2017	ASTMD422
	Solid	I7064-19	Grain Size - Sieve	Cool 4 deg C	UNIO02	G22	SAMPLE-10	12/22/2017	ASTMD422

Date/Time 12/22/17 5:10 PM
 Received by: SP
 Relinquished by: [Signature]

Date/Time 12/26/17 16:00 PM SP
 Received by: [Signature]
 Relinquished by: SP