

ATTACHMENT A

Records of Laboratory Testing



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Fortune Minerals Limited

Attn : Rick Schryer

140 Fullarton Street, Suite 1902
London, ON
N6A 5P2,

Phone: 519-858-8188
Fax: 519-858-8155

Modified ABA (Price 1997)

Tuesday, October 19, 2010

Date Rec. : 04 October 2010
LR Report: CA11024-OCT10
Reference: PO#1981A

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: GO637164	6: GO637165	7: GO637166	8: GO637167	9: GO637168	10: GO637169	11: GO637171	12: GO637172
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH [units]	16-Oct-10	09:39	8.51	8.89	8.58	8.57	8.39	8.24	8.44	7.97
Fizz Rate [---]	16-Oct-10	09:39	1	1	1	1	1	1	1	1
Sample [weight(g)]	16-Oct-10	09:39	2.05	2.02	1.99	1.97	2.02	2.01	2.02	2.04
HCl added [mL]	16-Oct-10	09:39	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HCl [Normality]	16-Oct-10	09:39	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	16-Oct-10	09:39	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to [pH=8.3 mL]	16-Oct-10	09:39	16.00	15.94	16.40	16.47	16.59	17.00	14.49	16.14
Final pH [units]	16-Oct-10	09:39	1.38	1.35	1.22	1.29	1.29	1.18	1.51	1.38
NP [t CaCO ₃ /1000t]	16-Oct-10	09:39	9.8	10.0	9.1	9.0	8.4	7.5	13.6	9.5
AP [t CaCO ₃ /1000 t]	18-Oct-10	12:19	2.18	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Net NP [t CaCO ₃ /1000 t]	18-Oct-10	12:19	7.62	9.69	8.79	8.69	8.09	7.19	13.3	9.19
NP/AP [ratio]	18-Oct-10	12:19	4.50	32.3	29.4	29.0	27.1	24.2	43.9	30.6
Total Sulphur [%]	16-Oct-10	09:40	0.102	0.017	0.020	0.009	< 0.005	0.005	< 0.005	< 0.005
Acid Leachable SO ₄ -S [%]	18-Oct-10	12:18	0.03	0.02	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sulphide-S [%]	14-Oct-10	12:51	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total Carbon [%]	16-Oct-10	09:40	0.096	0.167	0.158	0.070	0.055	0.056	0.076	0.197
Carbonate (CO ₃) [%]	14-Oct-10	10:57	0.049	0.024	0.100	0.034	0.041	0.016	0.160	0.009



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

Phone: 705-652-2000 FAX: 705-652-6365

Modified ABA (Price 1997)

LR Report :

CA11024-OCT10

*NP (Neutralization Potential)

= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

NP/AP Ratio = NP/AP

*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material

Samples with a % Sulphide value of <0.01 will be calculated using a 0.01 value.

Sulphur analysis performed following BC ARD Guidelines (Price 1997)

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Fortune Minerals Limited

Attn : Rick Schryer

140 Fullarton Street, Suite 1902
London, ON
N6A 5P2,

Phone: 519-858-8188
Fax: 519-858-8155

Modified ABA (Price 1997)

Tuesday, October 19, 2010

Date Rec. : 04 October 2010
LR Report: CA11024-OCT10
Reference: PO#1981A

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: GO637164	6: GO637165	7: GO637166	8: GO637167	9: GO637168	10: GO637169	11: GO637171	12: GO637172
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH [units]	16-Oct-10	09:39	8.51	8.89	8.58	8.57	8.39	8.24	8.44	7.97
Fizz Rate [---]	16-Oct-10	09:39	1	1	1	1	1	1	1	1
Sample [weight(g)]	16-Oct-10	09:39	2.05	2.02	1.99	1.97	2.02	2.01	2.02	2.04
HCl added [mL]	16-Oct-10	09:39	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HCl [Normality]	16-Oct-10	09:39	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	16-Oct-10	09:39	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to [pH=8.3 mL]	16-Oct-10	09:39	16.00	15.94	16.40	16.47	16.59	17.00	14.49	16.14
Final pH [units]	16-Oct-10	09:39	1.38	1.35	1.22	1.29	1.29	1.18	1.51	1.38
NP [t CaCO3/1000t]	16-Oct-10	09:39	9.8	10.0	9.1	9.0	8.4	7.5	13.6	9.5
AP [t CaCO3/1000 t]	18-Oct-10	12:19	2.18	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Net NP [t CaCO3/1000 t]	18-Oct-10	12:19	7.62	9.69	8.79	8.69	8.09	7.19	13.3	9.19
NP/AP [ratio]	18-Oct-10	12:19	4.50	32.3	29.4	29.0	27.1	24.2	43.9	30.6
Total Sulphur [%]	16-Oct-10	09:40	0.102	0.017	0.020	0.009	< 0.005	0.005	< 0.005	< 0.005
Acid Leachable SO4-S [%]	18-Oct-10	12:18	0.03	0.02	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sulphide-S [%]	14-Oct-10	12:51	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total Carbon [%]	16-Oct-10	09:40	0.096	0.167	0.158	0.070	0.055	0.056	0.076	0.197
Carbonate (CO3) [%]	14-Oct-10	10:57	0.049	0.024	0.100	0.034	0.041	0.016	0.160	0.009



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

Phone: 705-652-2000 FAX: 705-652-6365

Modified ABA (Price 1997)

LR Report :

CA11024-OCT10

*NP (Neutralization Potential)

= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

NP/AP Ratio = NP/AP

*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material

Samples with a % Sulphide value of <0.01 will be calculated using a 0.01 value.

Sulphur analysis performed following BC ARD Guidelines (Price 1997)

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Fortune Minerals Limited

Attn : Rick Schryer

140 Fullarton Street, Suite 1902
London, ON
N6A 5P2,

Phone: 519-858-8188
Fax: 519-858-8155

Modified ABA (Price 1997)

Tuesday, October 19, 2010

Date Rec. : 04 October 2010
LR Report: CA11024-OCT10
Reference: PO#1981A

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	13: GO637173	14: GO637174	15: GO637175	16: GO637176	17: GO637177	18: GO637178	19: GO637179	20: GO637181	21: GO637182	22: GO637183	23: GO637184
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH [units]	8.28	8.26	8.47	8.19	8.68	9.22	8.31	8.07	8.08	8.69	8.12
Fizz Rate [---]	1	1	1	1	1	1	1	1	1	1	1
Sample [weight(g)]	1.96	2.02	2.02	1.98	1.98	1.95	1.97	1.97	1.96	1.99	1.97
HCl added [mL]	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to [pH=8.3 mL]	16.33	16.54	16.86	17.26	16.41	15.12	15.88	16.08	17.55	17.50	17.26
Final pH [units]	1.35	1.25	1.22	1.13	1.30	1.31	1.38	1.46	1.15	1.14	1.20
NP [t CaCO ₃ /1000t]	9.4	8.6	7.8	6.9	9.1	12.5	10.5	9.9	6.2	6.3	7.0
AP [t CaCO ₃ /1000 t]	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Net NP [t CaCO ₃ /1000 t]	9.09	8.29	7.49	6.59	8.79	12.2	10.2	9.59	5.89	5.99	6.69
NP/AP [ratio]	30.3	27.7	25.2	22.3	29.4	40.3	33.9	31.9	20.0	20.3	22.6
Total Sulphur [%]	< 0.005	< 0.005	0.016	< 0.005	0.009	< 0.005	< 0.005	0.008	< 0.005	< 0.005	0.011
Acid Leachable SO ₄ -S [%]	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
Sulphide-S [%]	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total Carbon [%]	0.037	0.101	0.088	0.056	0.050	0.077	0.056	0.059	0.064	0.053	0.070
Carbonate (CO ₃) [%]	0.016	0.022	0.027	0.026	0.076	0.184	0.024	0.012	0.009	0.046	0.027



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

Phone: 705-652-2000 FAX: 705-652-6365

Modified ABA (Price 1997)

LR Report :

CA11024-OCT10

*NP (Neutralization Potential)

= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

NP/AP Ratio = NP/AP

*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material

Samples with a % Sulphide value of <0.01 will be calculated using a 0.01 value.

Sulphur analysis performed following BC ARD Guidelines (Price 1997)

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Fortune Minerals Limited

Attn : Rick Schryer

140 Fullarton Street, Suite 1902
London, ON
N6A 5P2,

Phone: 519-858-8188
Fax: 519-858-8155

Modified ABA (Price 1997)

Tuesday, October 19, 2010

Date Rec. : 04 October 2010
LR Report: CA11024-OCT10
Reference: PO#1981A

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	24: GO637185	25: GO637186	26: GO637187	27: GO637188	28: GO637189	29: GO637218	30: GO637219	31: GO637221	32: GO637222	33: GO637223	34: GO637224
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH [units]	8.74	8.08	8.15	5.89	8.17	8.38	8.27	8.93	8.94	8.43	8.09
Fizz Rate [---]	1	1	1	1	1	1	1	1	1	1	1
Sample [weight(g)]	2.02	2.03	2.01	2.03	1.97	1.97	1.96	2.05	1.96	2.01	1.98
HCl added [mL]	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to [pH=8.3 mL]	16.99	17.04	17.35	18.01	16.29	17.74	17.36	17.84	17.83	17.65	17.48
Final pH [units]	1.19	1.24	1.15	1.13	1.18	1.18	1.21	1.08	1.10	1.15	1.14
NP [t CaCO ₃ /1000t]	7.5	7.3	6.6	4.9	9.4	5.7	6.7	5.3	5.5	5.8	6.4
AP [t CaCO ₃ /1000 t]	0.31	0.31	0.31	20.6	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Net NP [t CaCO ₃ /1000 t]	7.19	6.99	6.29	-15.7	9.09	5.39	6.39	4.99	5.19	5.49	6.09
NP/AP [ratio]	24.2	23.5	21.3	0.24	30.3	18.4	21.6	17.1	17.7	18.7	20.6
Total Sulphur [%]	0.006	< 0.005	0.011	0.701	0.006	0.012	< 0.005	< 0.005	0.008	< 0.005	< 0.005
Acid Leachable SO ₄ -S [%]	< 0.01	< 0.01	0.01	0.04	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sulphide-S [%]	< 0.01	< 0.01	< 0.01	0.66	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total Carbon [%]	0.066	0.048	0.059	0.093	0.144	0.055	0.058	0.018	0.032	0.028	0.066
Carbonate (CO ₃) [%]	0.036	< 0.005	0.014	0.008	0.199	0.014	0.010	0.018	0.023	0.009	0.024



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

Phone: 705-652-2000 FAX: 705-652-6365

Modified ABA (Price 1997)

LR Report :

CA11024-OCT10

*NP (Neutralization Potential)

= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

NP/AP Ratio = NP/AP

*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material

Samples with a % Sulphide value of <0.01 will be calculated using a 0.01 value.

Sulphur analysis performed following BC ARD Guidelines (Price 1997)

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Fortune Minerals Limited

Attn : Rick Schryer

140 Fullarton Street, Suite 1902
London, ON
N6A 5P2,

Phone: 519-858-8188
Fax: 519-858-8155

Wednesday, October 27, 2010

Date Rec. : 04 October 2010
LR Report: CA11025-OCT10
Reference: PO#1981A

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: GO637164	6: GO637165	7: GO637166	8: GO637167	9: GO637168	10: GO637169	11: GO637171	12: GO637172	13: GO637173
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Mercury [µg/g]	14-Oct-10	18:07	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silver [µg/g]	26-Oct-10	13:14	0.73	0.67	0.56	1.5	0.54	0.53	0.46	0.69	0.52
Aluminum [µg/g]	27-Oct-10	13:09	60000	67000	55000	75000	50000	72000	48000	63000	47000
Arsenic [µg/g]	26-Oct-10	13:15	6.5	5.7	4.3	40	5.2	4.8	7.5	23	22
Barium [µg/g]	26-Oct-10	13:15	560	560	410	1600	690	800	460	640	390
Beryllium [µg/g]	26-Oct-10	13:15	1.5	1.1	1.6	2.3	0.75	1.3	1.0	1.5	1.1
Bismuth [µg/g]	26-Oct-10	13:15	1.0	0.25	0.25	18	1.4	0.35	0.45	1.4	3.4
Calcium [µg/g]	27-Oct-10	13:09	6700	3700	8000	5500	1200	3700	1600	4700	1800
Cadmium [µg/g]	26-Oct-10	13:15	0.40	0.41	0.37	0.92	0.32	0.32	0.30	0.40	0.33
Cobalt [µg/g]	26-Oct-10	13:15	18	6.0	7.1	48	5.3	5.1	8.4	19	39
Chromium [µg/g]	26-Oct-10	13:15	150	110	180	180	170	120	150	120	150
Copper [g/t]	26-Oct-10	13:15	190	38	79	41	11	6.8	15	48	24
Iron [µg/g]	27-Oct-10	13:10	37000	45000	29000	120000	26000	33000	47000	42000	42000
Potassium [µg/g]	27-Oct-10	13:10	34000	46000	30000	180000	44000	49000	37000	42000	31000
Lithium [µg/g]	26-Oct-10	13:15	23	20	17	28	7	14	25	29	29
Magnesium [µg/g]	27-Oct-10	13:11	12000	11000	9400	13000	5500	7100	15000	13000	13000
Manganese [µg/g]	26-Oct-10	13:15	210	180	260	320	97	160	100	280	78
Molybdenum [µg/g]	26-Oct-10	13:15	5.3	1.6	1.3	4.2	1.7	1.0	1.2	1.0	1.2



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

Phone: 705-652-2000 FAX: 705-652-6365

LR Report :

CA11025-OCT10

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: GO637164	6: GO637165	7: GO637166	8: GO637167	9: GO637168	10: GO637169	11: GO637171	12: GO637172	13: GO637173
Sodium [µg/g]	27-Oct-10	13:15	8200	17000	12000	51000	3500	10000	900	3900	4300
Nickel [µg/g]	26-Oct-10	13:15	360	66	85	38	15	12	12	12	11
Total Phosphorus [ug/g]	27-Oct-10	13:13	350	390	290	480	220	310	180	450	270
Lead [µg/g]	26-Oct-10	13:15	5.8	13	8.2	10	3.5	4.3	1.6	3.0	3.7
Antimony [µg/g]	26-Oct-10	13:15	2.0	< 0.8	< 0.8	5.2	1.1	1.4	1.2	1.8	1.0
Selenium [µg/g]	26-Oct-10	13:15	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Tin [µg/g]	26-Oct-10	13:15	3.8	3.2	3.7	9.4	3.4	4.2	3.7	4.6	4.0
Strontium [µg/g]	26-Oct-10	13:15	76	56	36	120	17	49	7.86	47	23
Titanium [µg/g]	27-Oct-10	13:13	2200	1800	1200	2400	1000	1600	1000	2000	1300
Thallium [µg/g]	26-Oct-10	13:15	0.41	0.75	0.47	0.92	0.27	0.40	0.23	0.41	0.20
Uranium [µg/g]	26-Oct-10	13:15	4.6	3.8	3.5	12	4.8	6.4	4.9	5.0	4.0
Vanadium [µg/g]	26-Oct-10	13:15	52	24	27	59	19	26	18	35	21
Yttrium [µg/g]	26-Oct-10	13:15	12	13	11	19	7.4	9.6	8.2	12	8.9
Zinc [g/t]	26-Oct-10	13:15	42	41	36	81	31	43	24	44	25

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

SGS Minerals Services
Size Distribution Analysis

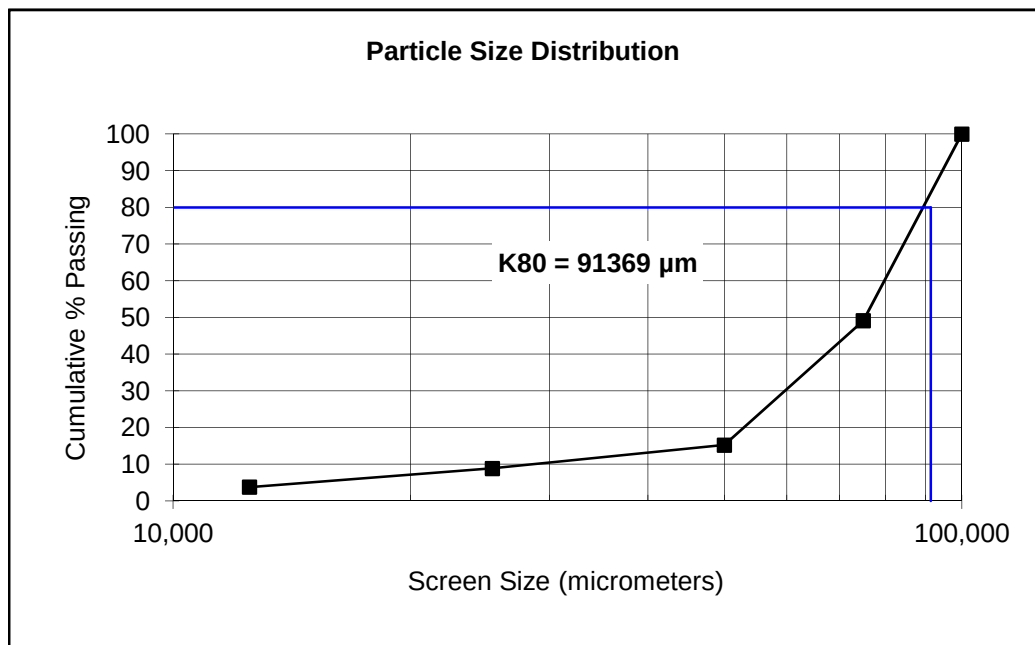
Project No.
CA11026-Oct10

Sample: **GO637164**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	2774.3	50.9	50.9	49.1
2"	50,000	1847.0	33.9	84.8	15.2
1"	25,400	345.9	6.3	91.1	8.9
1/2"	12,500	278.0	5.1	96.2	3.8
Pan	-12,500	205.8	3.8	100.0	0.0
Total	-	5451.0	100.0	-	-
K80	91,369				



SGS Minerals Services
Size Distribution Analysis

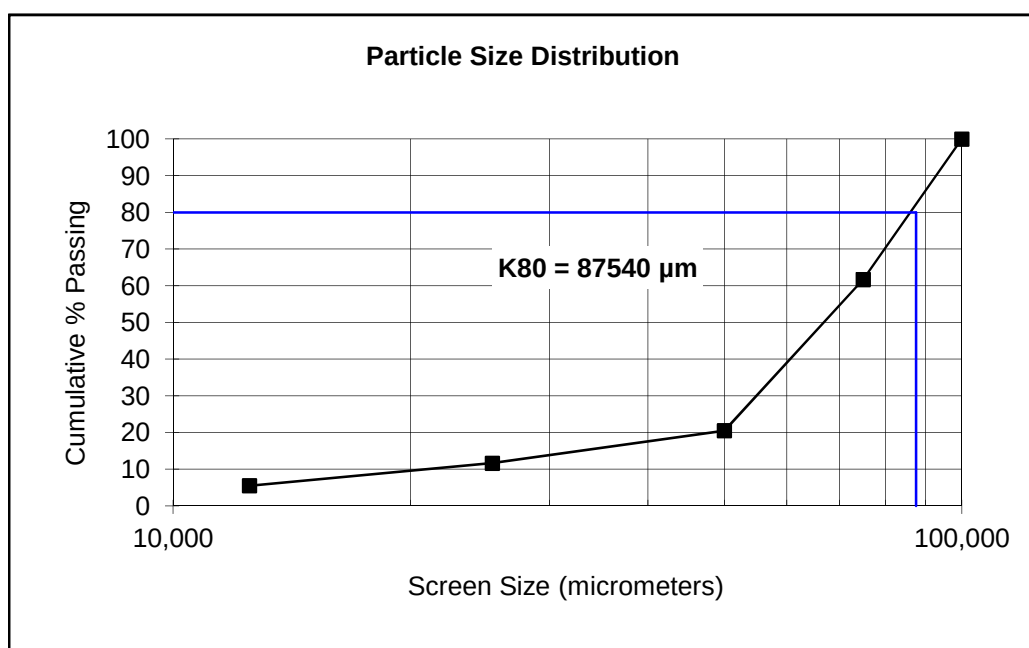
Project No.
CA11026-Oct10

Sample: **GO637165**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	1572.8	38.3	38.3	61.7
2"	50,000	1694.9	41.2	79.5	20.5
1"	25,400	363.5	8.8	88.4	11.6
1/2"	12,500	251.8	6.1	94.5	5.5
Pan	-12,500	226.8	5.5	100.0	0.0
Total	-	4109.8	100.0	-	-
K80	87,540				



SGS Minerals Services
Size Distribution Analysis

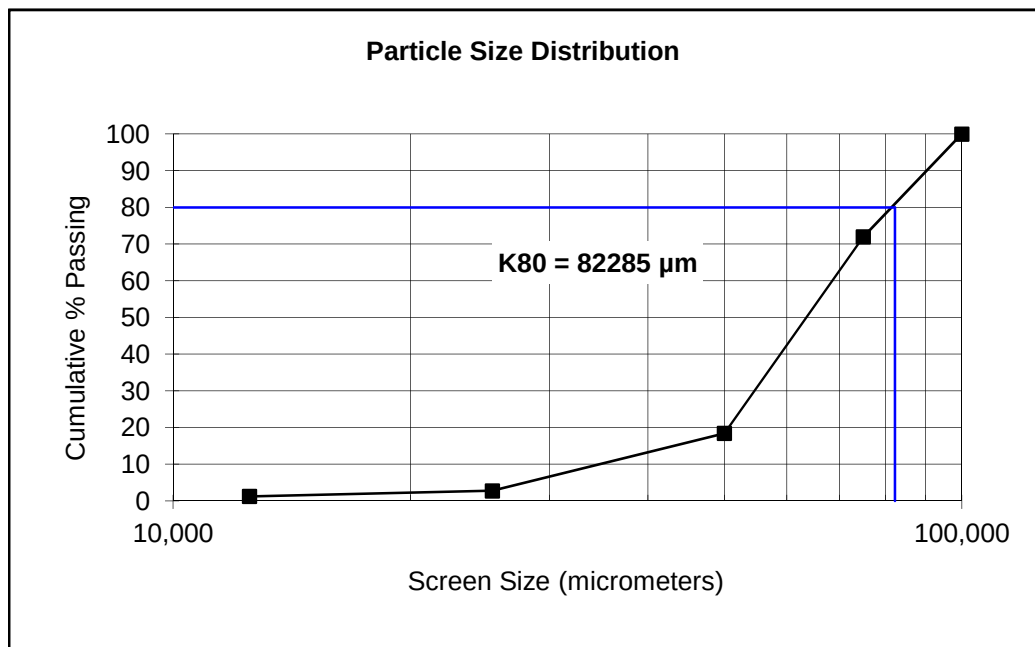
Project No.
CA11026-Oct10

Sample: **GO637166**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	886.5	28.1	28.1	71.9
2"	50,000	1691.1	53.5	81.6	18.4
1"	25,400	496.0	15.7	97.3	2.7
1/2"	12,500	47.8	1.5	98.8	1.2
Pan	-12,500	38.7	1.2	100.0	0.0
Total	-	3160.1	100.0	-	-
K80	82,285				



SGS Minerals Services
Size Distribution Analysis

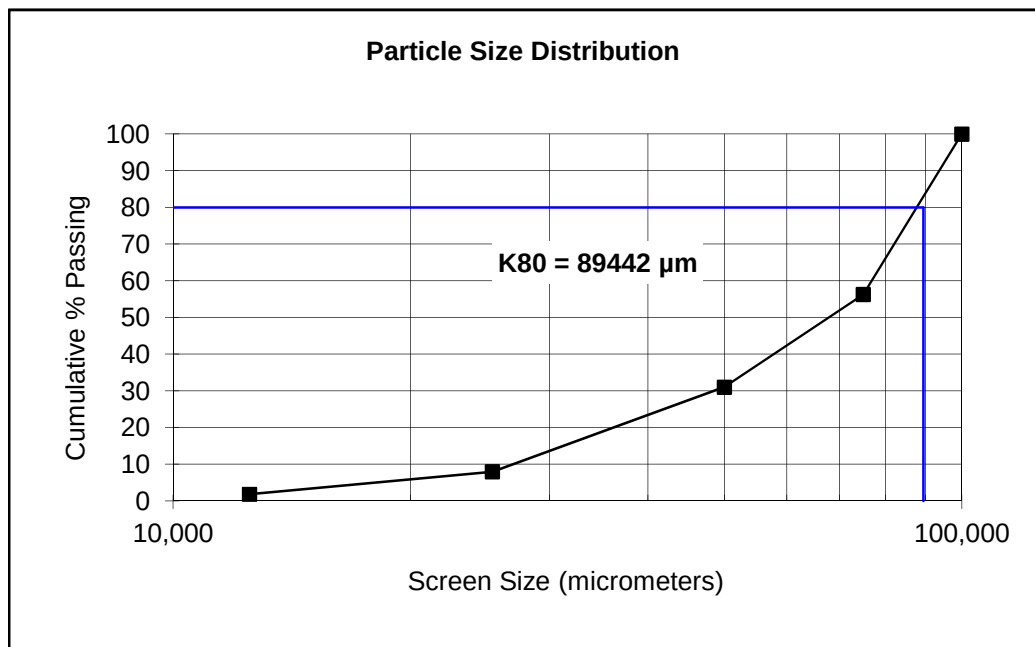
Project No.
CA11026-Oct10

Sample: **GO637167**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	1849.1	43.7	43.7	56.3
2"	50,000	1066.1	25.2	69.0	31.0
1"	25,400	975.4	23.1	92.0	8.0
1/2"	12,500	259.2	6.1	98.2	1.8
Pan	-12,500	77.0	1.8	100.0	0.0
Total	-	4226.8	100.0	-	-
K80	89,442				



SGS Minerals Services
Size Distribution Analysis

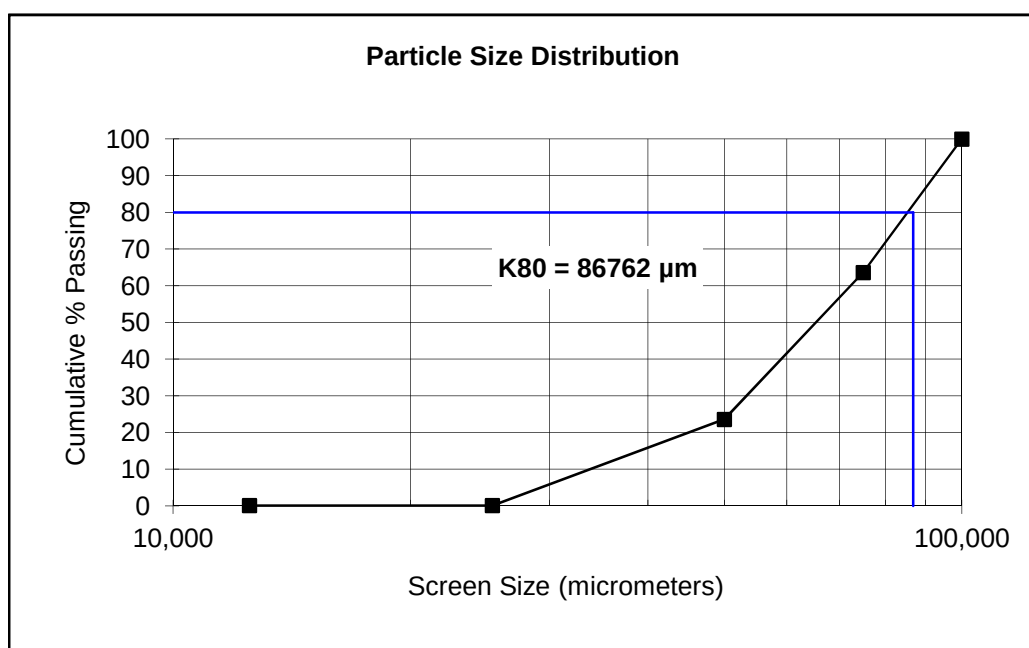
Project No.
CA11026-Oct10

Sample: **GO637168**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	1265.6	36.4	36.4	63.6
2"	50,000	1392.6	40.0	76.4	23.6
1"	25,400	818.7	23.5	99.9	0.1
1/2"	12,500	0.0	0.0	99.9	0.1
Pan	-12,500	2.9	0.1	100.0	0.0
Total	-	3479.8	100.0	-	-
K80	86,762				



SGS Minerals Services
Size Distribution Analysis

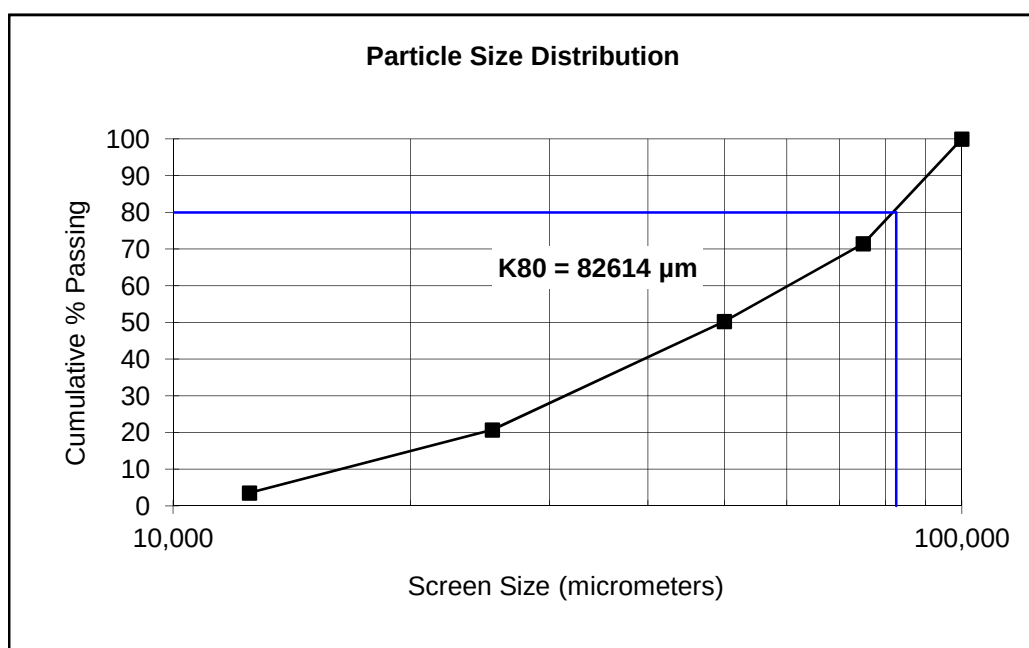
Project No.
CA11026-Oct10

Sample: **GO637169**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	1035.1	28.5	28.5	71.5
2"	50,000	768.5	21.2	49.7	50.3
1"	25,400	1071.5	29.5	79.3	20.7
1/2"	12,500	622.7	17.2	96.5	3.5
Pan	-12,500	128.3	3.5	100.0	0.0
Total	-	3626.1	100.0	-	-
K80	82,614				



SGS Minerals Services
Size Distribution Analysis

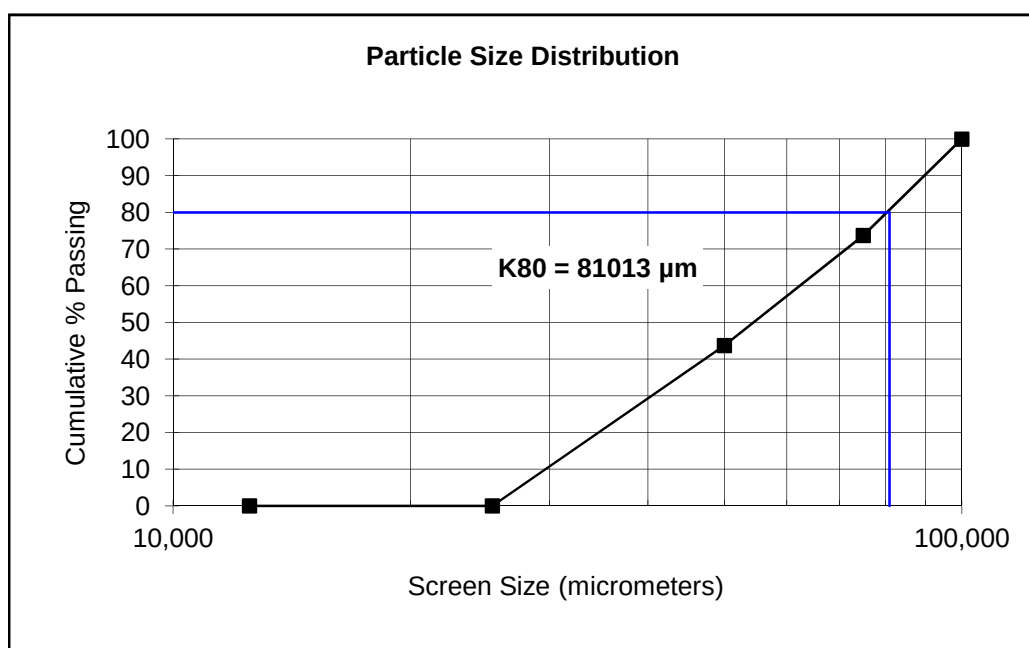
Project No.
CA11026-Oct10

Sample: **GO637171**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	945.1	26.3	26.3	73.7
2"	50,000	1079.9	30.0	56.3	43.7
1"	25,400	1570.5	43.7	100.0	0.0
1/2"	12,500	0.0	0.0	100.0	0.0
Pan	-12,500	1.0	0.0	100.0	0.0
Total	-	3596.5	100.0	-	-
K80	81,013				



SGS Minerals Services
Size Distribution Analysis

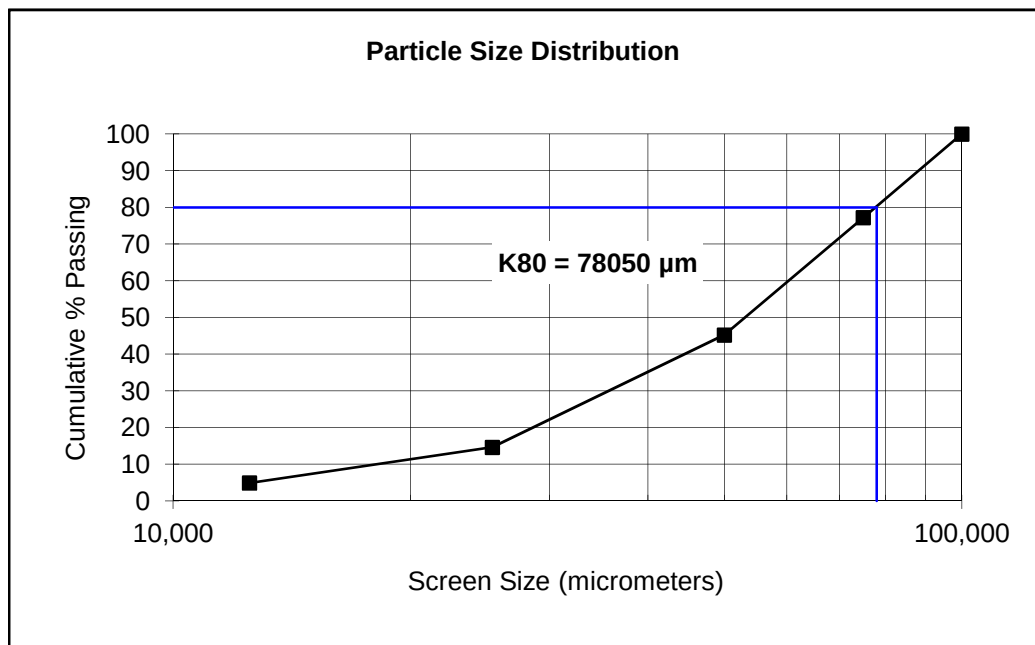
Project No.
CA11026-Oct10

Sample: **GO637172**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	820.0	22.8	22.8	77.2
2"	50,000	1148.2	32.0	54.8	45.2
1"	25,400	1100.0	30.6	85.4	14.6
1/2"	12,500	349.9	9.7	95.1	4.9
Pan	-12,500	175.2	4.9	100.0	0.0
Total	-	3593.3	100.0	-	-
K80	78,050				



SGS Minerals Services
Size Distribution Analysis

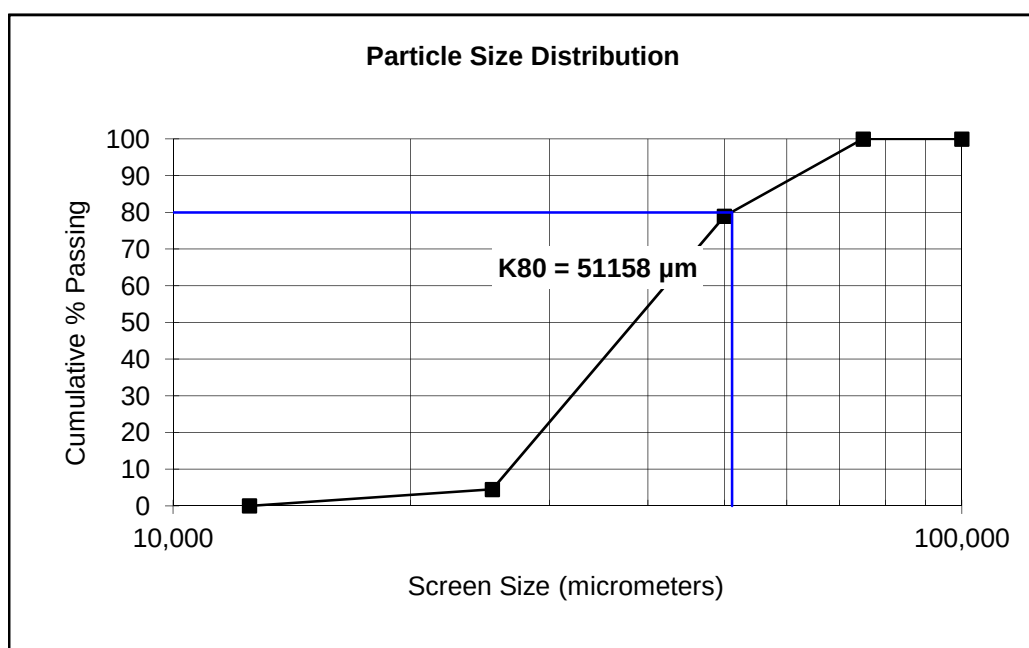
Project No.
CA11026-Oct10

Sample: **GO637173**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	0.0	0.0	0.0	100.0
2"	50,000	785.5	21.1	21.1	78.9
1"	25,400	2776.6	74.4	95.5	4.5
1/2"	12,500	167.1	4.5	100.0	0.0
Pan	-12,500	0.4	0.0	100.0	0.0
Total	-	3729.6	100.0	-	-
K80	51,158				



SGS Minerals Services
Size Distribution Analysis

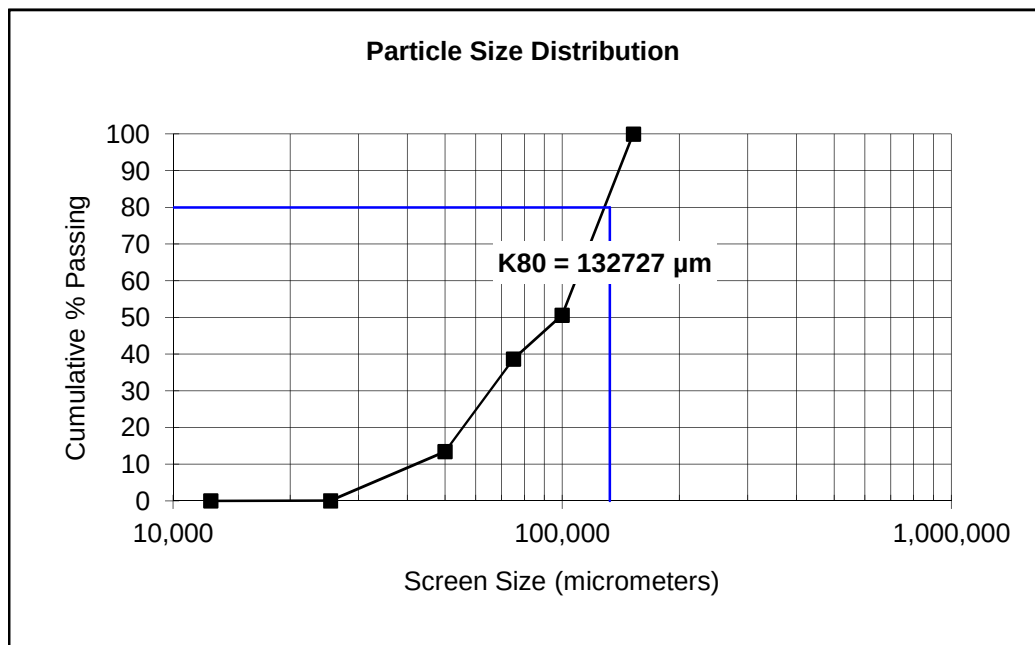
Project No.
CA11026-Oct10

Sample: **GO637174**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	2546.8	49.4	49.4	50.6
3"	75,000	616.9	12.0	61.3	38.7
2"	50,000	1303.5	25.3	86.6	13.4
1"	25,400	691.5	13.4	100.0	0.0
1/2"	12,500	1.0	0.0	100.0	0.0
Pan	-12,500	0.9	0.0	100.0	0.0
Total	-	5160.6	100.0	-	-
K80	132,727				



SGS Minerals Services
Size Distribution Analysis

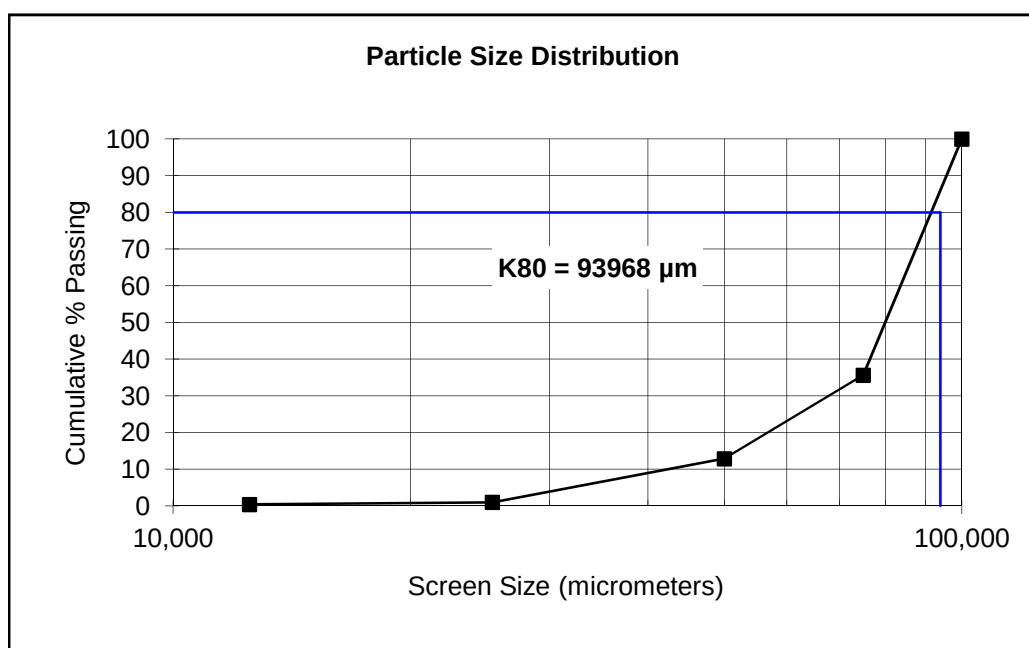
Project No.
CA11026-Oct10

Sample: **GO637175**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	2520.1	64.4	64.4	35.6
2"	50,000	891.4	22.8	87.1	12.9
1"	25,400	465.3	11.9	99.0	1.0
1/2"	12,500	23.6	0.6	99.6	0.4
Pan	-12,500	15.0	0.4	100.0	0.0
Total	-	3915.4	100.0	-	-
K80	93,968				



SGS Minerals Services
Size Distribution Analysis

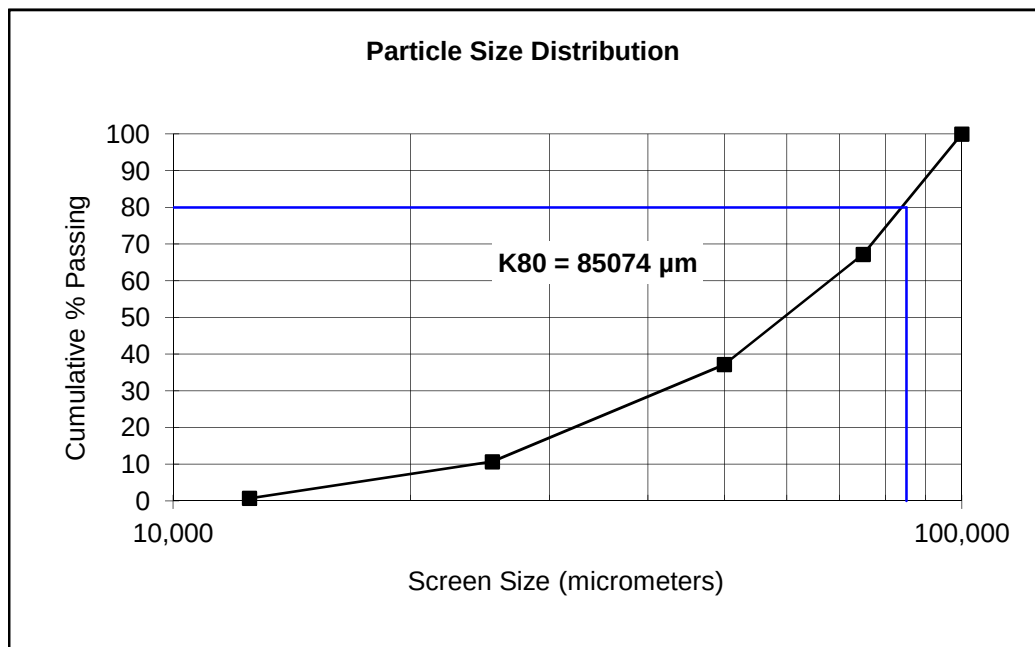
Project No.
CA11026-Oct10

Sample: **GO637176**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	1802.2	32.8	32.8	67.2
2"	50,000	1651.9	30.0	62.8	37.2
1"	25,400	1455.6	26.5	89.3	10.7
1/2"	12,500	550.8	10.0	99.3	0.7
Pan	-12,500	38.1	0.7	100.0	0.0
Total	-	5498.6	100.0	-	-
K80	85,074				



SGS Minerals Services
Size Distribution Analysis

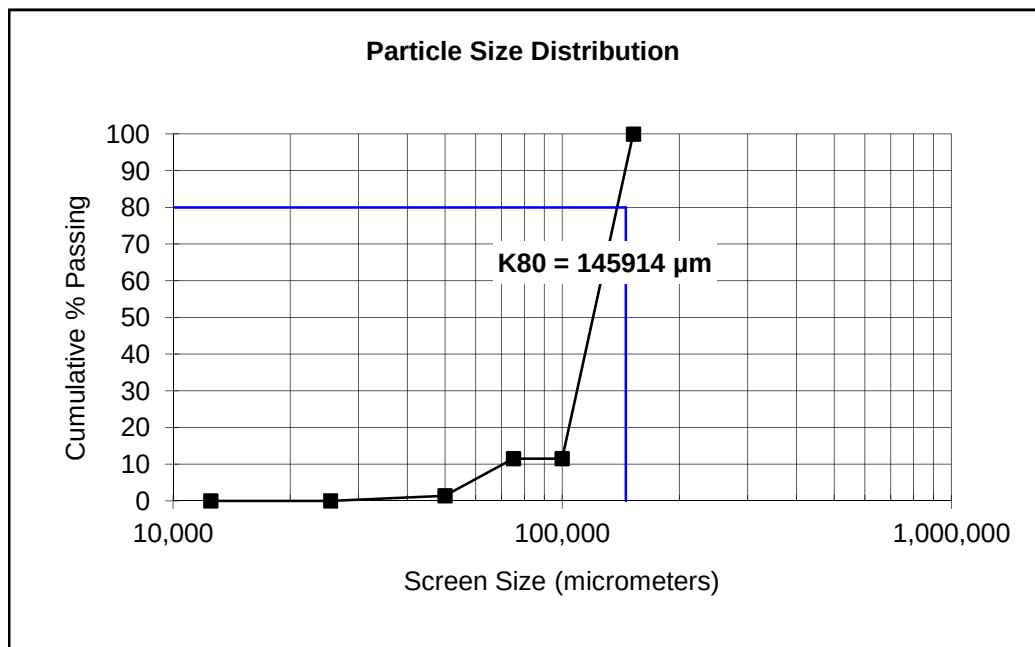
Project No.
CA11026-Oct10

Sample: **GO63177**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	6582.0	88.5	88.5	11.5
3"	75,000	0.0	0.0	88.5	11.5
2"	50,000	752.2	10.1	98.6	1.4
1"	25,400	104.0	1.4	100.0	0.0
1/2"	12,500	0.0	0.0	100.0	0.0
Pan	-12,500	0.0	0.0	100.0	0.0
Total	-	7438.2	100.0	-	-
K80	145,914				



SGS Minerals Services
Size Distribution Analysis

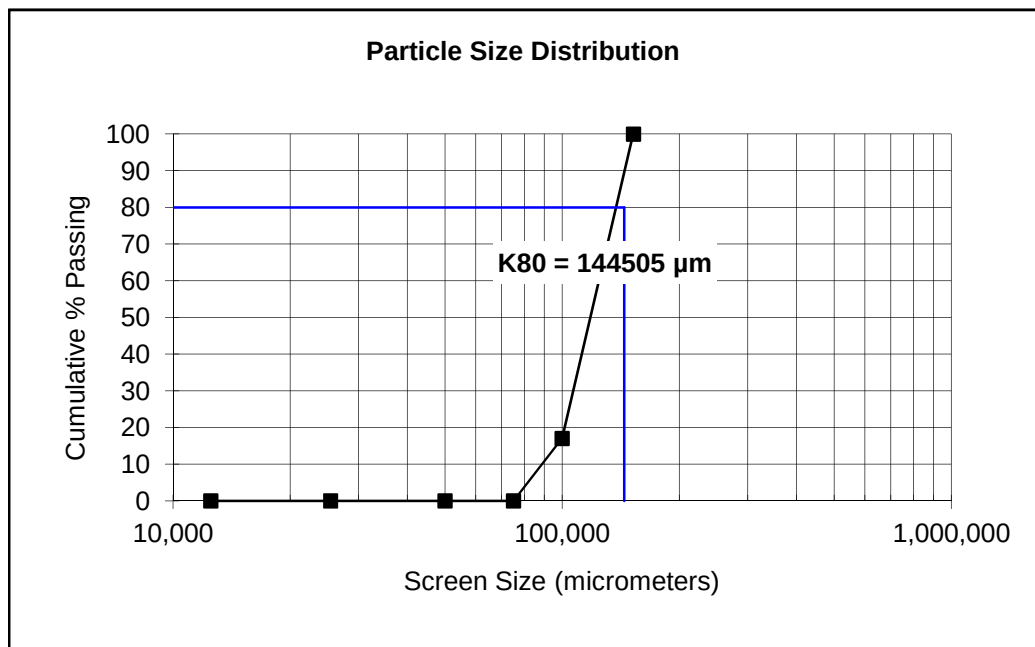
Project No.
CA11026-Oct10

Sample: **GO637178**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	5956.6	82.9	82.9	17.1
3"	75,000	1226.4	17.1	100.0	0.0
2"	50,000	0.0	0.0	100.0	0.0
1"	25,400	0.0	0.0	100.0	0.0
1/2"	12,500	0.0	0.0	100.0	0.0
Pan	-12,500	0.1	0.0	100.0	0.0
Total	-	7183.1	100.0	-	-
K80	144,505				



SGS Minerals Services
Size Distribution Analysis

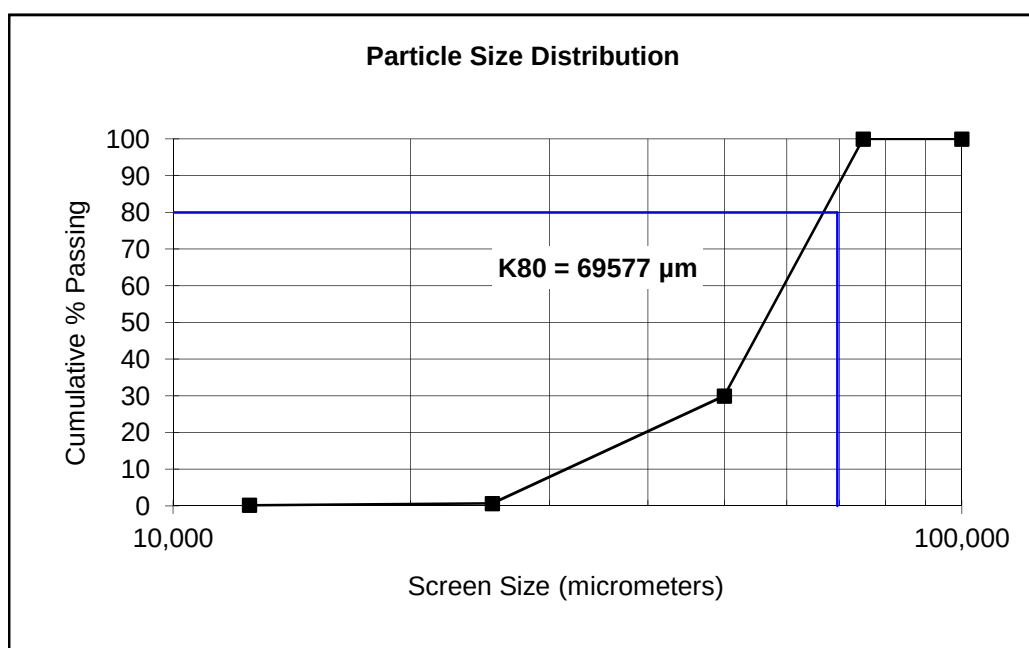
Project No.
CA11026-Oct10

Sample: **GO637179**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	0.0	0.0	0.0	100.0
2"	50,000	2389.1	70.0	70.0	30.0
1"	25,400	999.2	29.3	99.3	0.7
1/2"	12,500	16.1	0.5	99.8	0.2
Pan	-12,500	6.4	0.2	100.0	0.0
Total	-	3410.8	100.0	-	-
K80	69,577				



SGS Minerals Services
Size Distribution Analysis

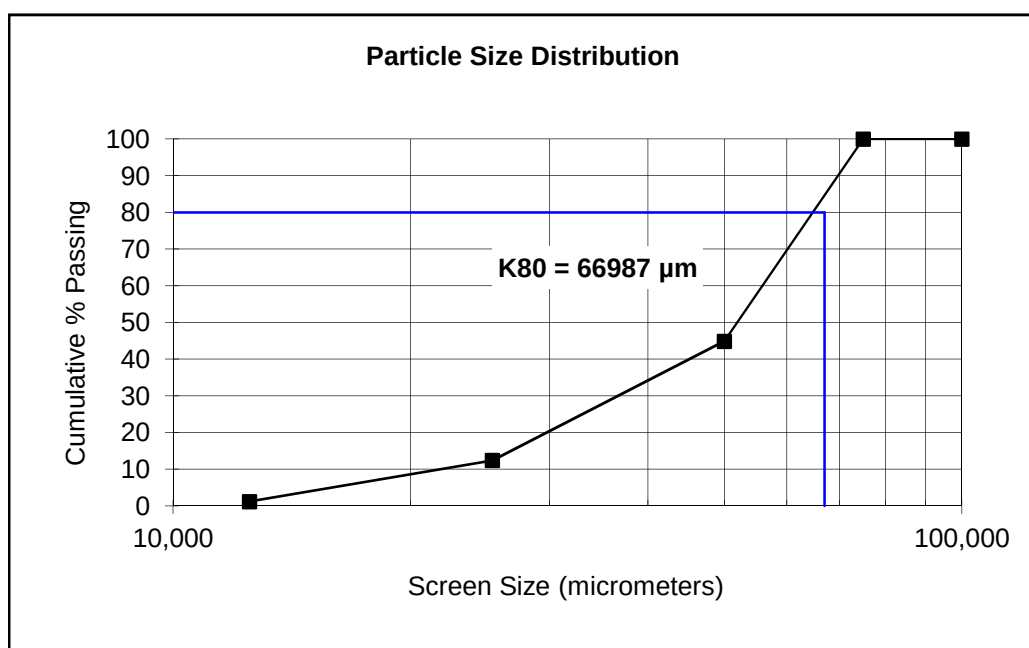
Project No.
CA11026-Oct10

Sample: **GO637181**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	0.0	0.0	0.0	100.0
2"	50,000	1701.8	55.1	55.1	44.9
1"	25,400	1003.4	32.5	87.6	12.4
1/2"	12,500	347.0	11.2	98.8	1.2
Pan	-12,500	36.2	1.2	100.0	0.0
Total	-	3088.4	100.0	-	-
K80	66,987				



SGS Minerals Services
Size Distribution Analysis

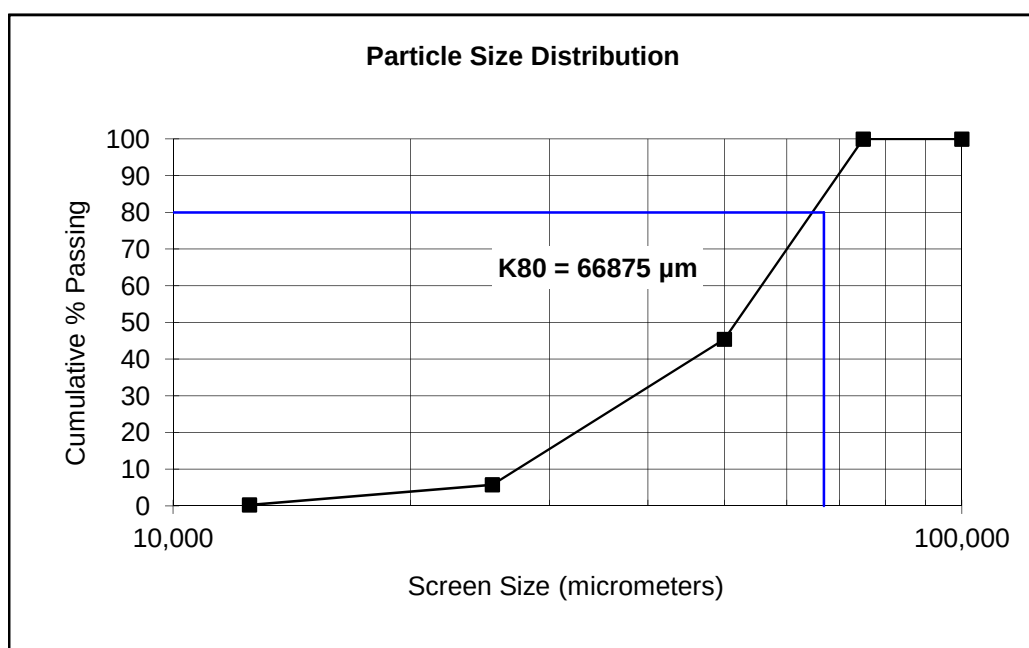
Project No.
CA11026-Oct10

Sample: **GO637182**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	0.0	0.0	0.0	100.0
2"	50,000	1766.8	54.6	54.6	45.4
1"	25,400	1284.4	39.7	94.2	5.8
1/2"	12,500	178.0	5.5	99.7	0.3
Pan	-12,500	8.4	0.3	100.0	0.0
Total	-	3237.6	100.0	-	-
K80	66,875				



SGS Minerals Services
Size Distribution Analysis

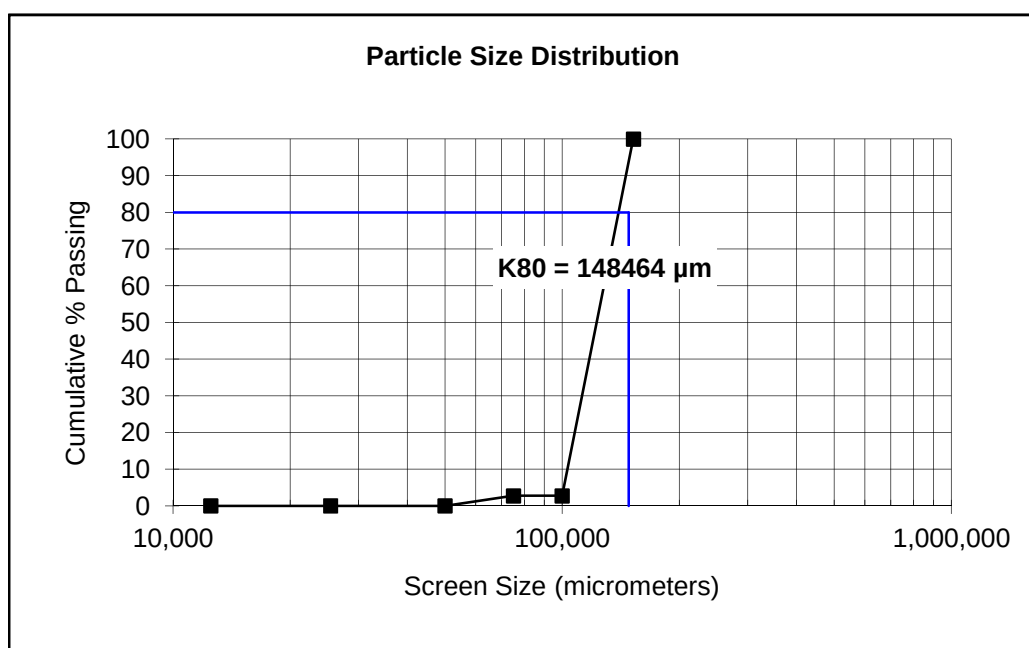
Project No.
CA11026-Oct10

Sample: **GO637183**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	6007.3	97.2	97.2	2.8
3"	75,000	0.0	0.0	97.2	2.8
2"	50,000	169.8	2.7	100.0	0.0
1"	25,400	0.0	0.0	100.0	0.0
1/2"	12,500	0.0	0.0	100.0	0.0
Pan	-12,500	0.2	0.0	100.0	0.0
Total	-	6177.3	100.0	-	-
K80	148,464				



SGS Minerals Services
Size Distribution Analysis

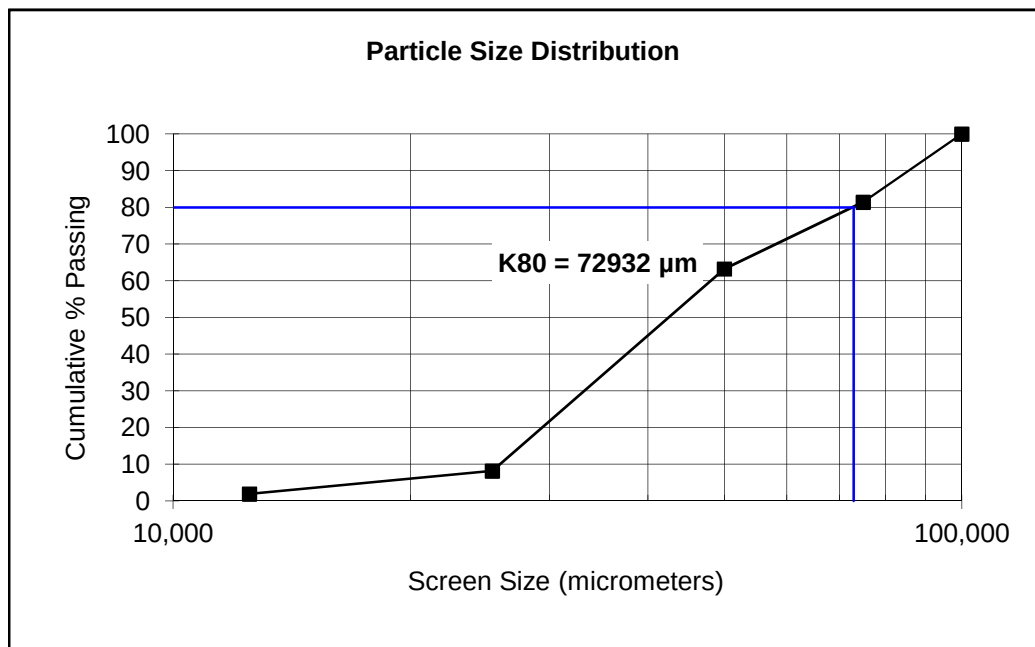
Project No.
CA11026-Oct10

Sample: **GO637184**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	703.5	18.6	18.6	81.4
2"	50,000	688.1	18.2	36.8	63.2
1"	25,400	2083.1	55.1	91.8	8.2
1/2"	12,500	237.0	6.3	98.1	1.9
Pan	-12,500	72.0	1.9	100.0	0.0
Total	-	3783.7	100.0	-	-
K80	72,932				



SGS Minerals Services
Size Distribution Analysis

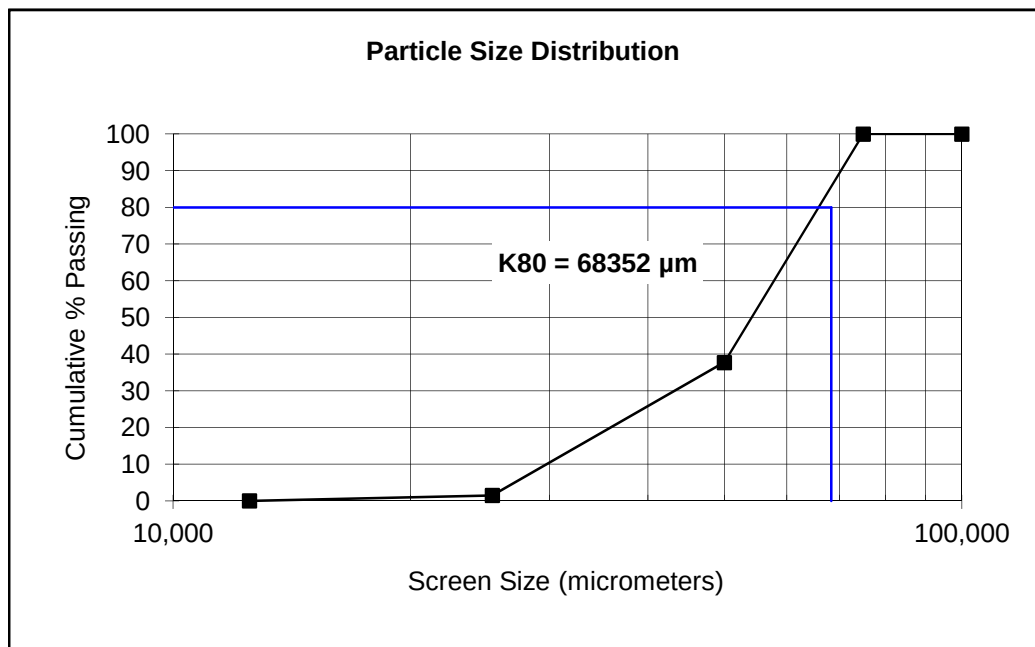
Project No.
CA11026-Oct10

Sample: **GO637185**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	0.0	0.0	0.0	100.0
2"	50,000	2205.6	62.3	62.3	37.7
1"	25,400	1284.0	36.3	98.5	1.5
1/2"	12,500	51.4	1.5	100.0	0.0
Pan	-12,500	1.0	0.0	100.0	0.0
Total	-	3542.0	100.0	-	-
K80	68,352				



SGS Minerals Services
Size Distribution Analysis

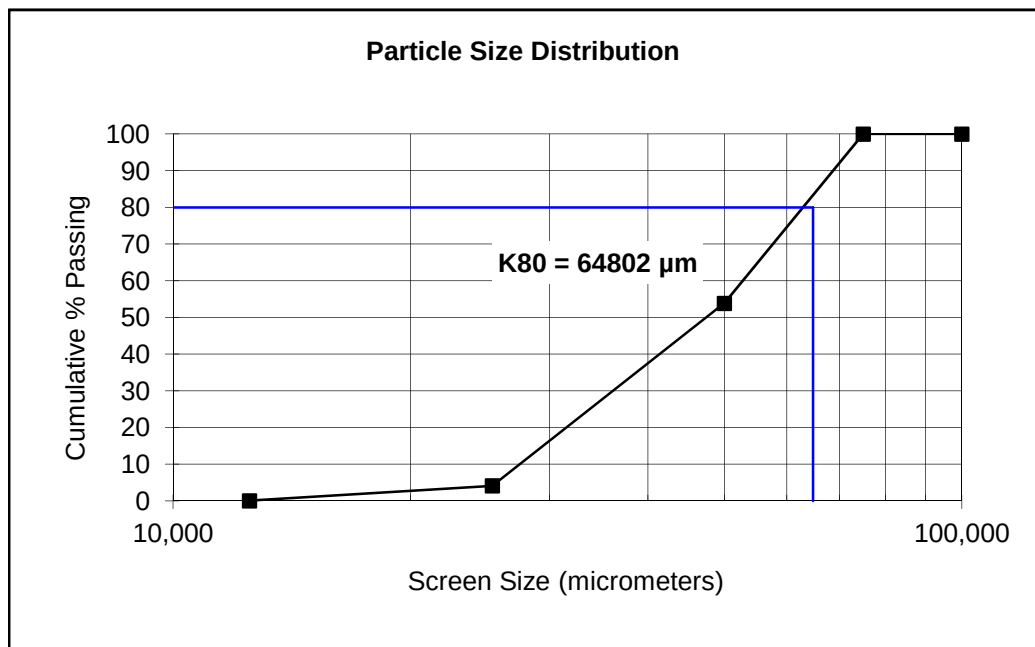
Project No.
CA11026-Oct10

Sample: **GO637186**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	0.0	0.0	0.0	100.0
2"	50,000	1440.0	46.2	46.2	53.8
1"	25,400	1552.0	49.7	95.9	4.1
1/2"	12,500	126.2	4.0	99.9	0.1
Pan	-12,500	1.8	0.1	100.0	0.0
Total	-	3120.0	100.0	-	-
K80	64,802				



SGS Minerals Services
Size Distribution Analysis

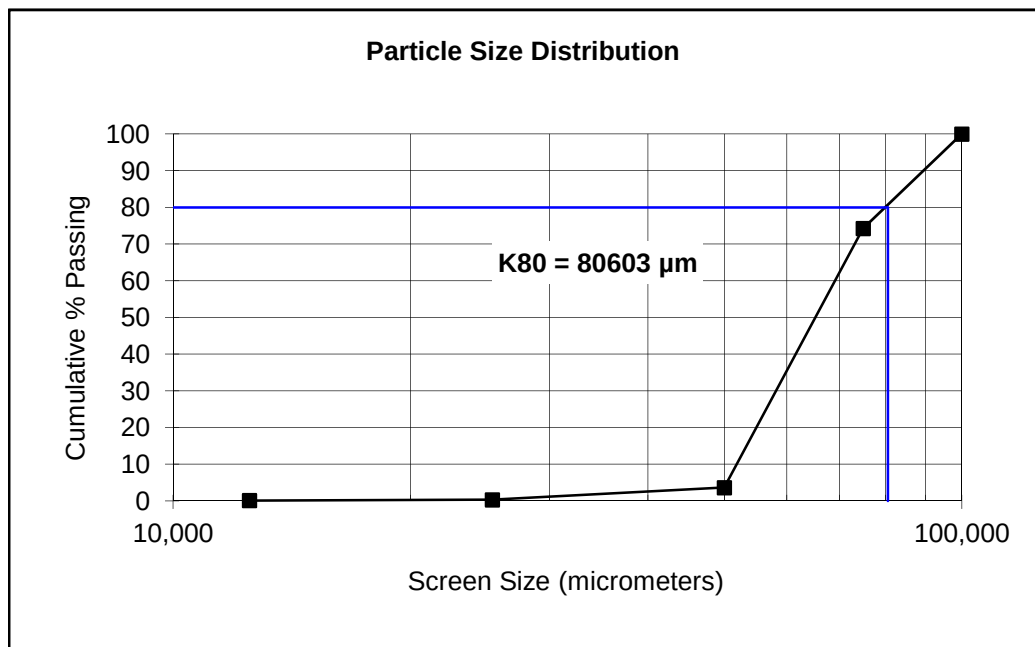
Project No.
CA11026-Oct10

Sample: **GO637187**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	1038.3	25.7	25.7	74.3
2"	50,000	2848.2	70.6	96.4	3.6
1"	25,400	133.1	3.3	99.7	0.3
1/2"	12,500	9.7	0.2	99.9	0.1
Pan	-12,500	3.4	0.1	100.0	0.0
Total	-	4032.7	100.0	-	-
K80	80,603				



SGS Minerals Services
Size Distribution Analysis

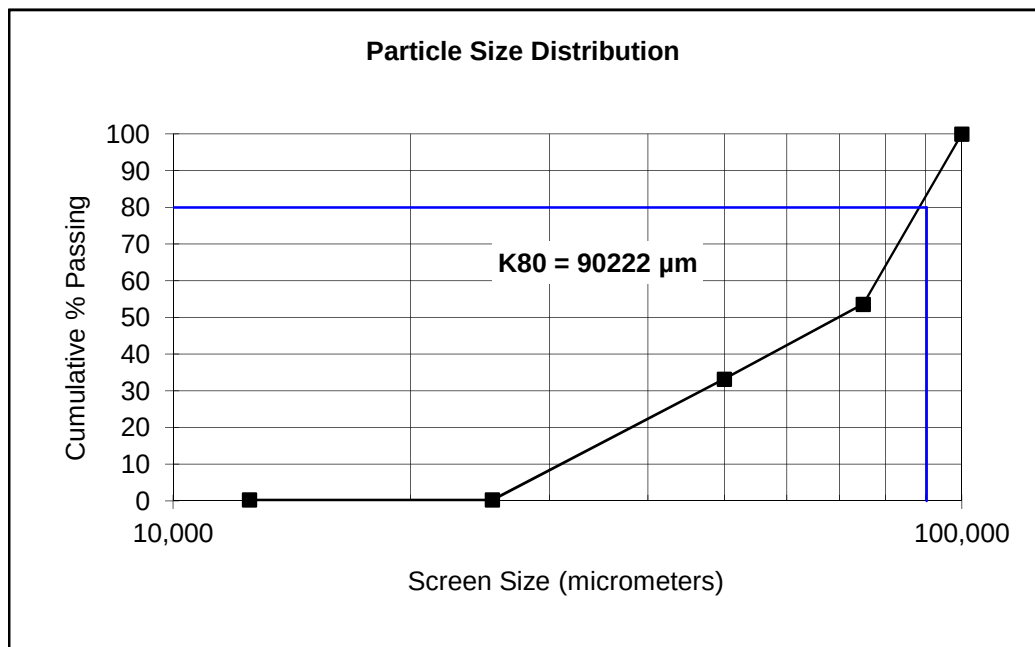
Project No.
CA11026-Oct10

Sample: **GO637188**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	1838.0	46.4	46.4	53.6
2"	50,000	808.1	20.4	66.8	33.2
1"	25,400	1303.4	32.9	99.7	0.3
1/2"	12,500	0.0	0.0	99.7	0.3
Pan	-12,500	10.5	0.3	100.0	0.0
Total	-	3960.0	100.0	-	-
K80	90,222				



SGS Minerals Services
Size Distribution Analysis

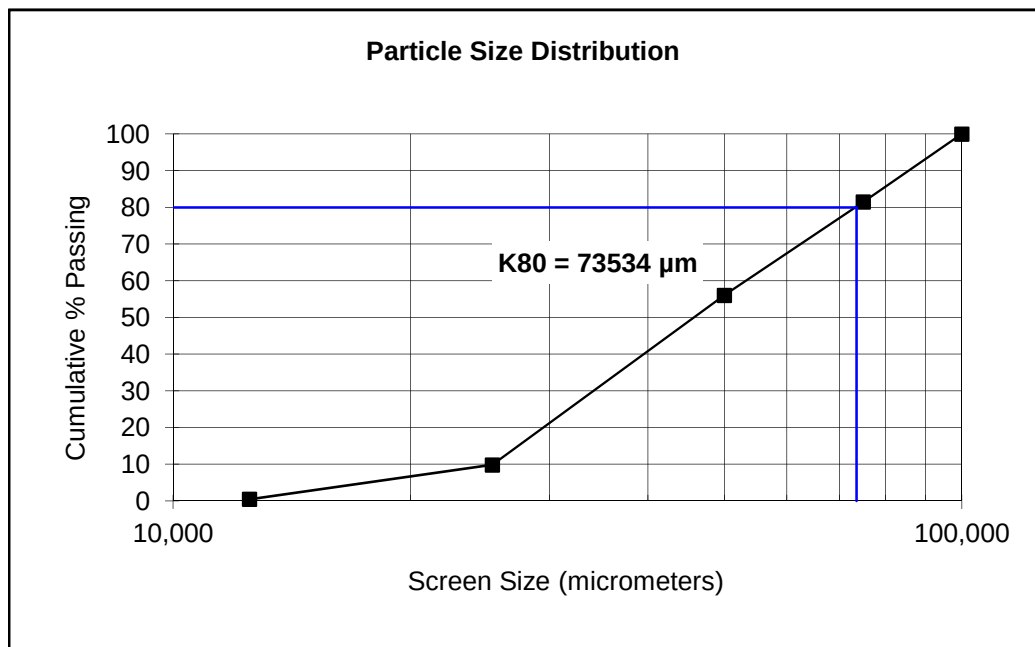
Project No.
CA11026-Oct10

Sample: **GO637189**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	713.1	18.5	18.5	81.5
2"	50,000	978.8	25.4	44.0	56.0
1"	25,400	1779.3	46.2	90.2	9.8
1/2"	12,500	359.5	9.3	99.5	0.5
Pan	-12,500	17.9	0.5	100.0	0.0
Total	-	3848.6	100.0	-	-
K80	73,534				



SGS Minerals Services
Size Distribution Analysis

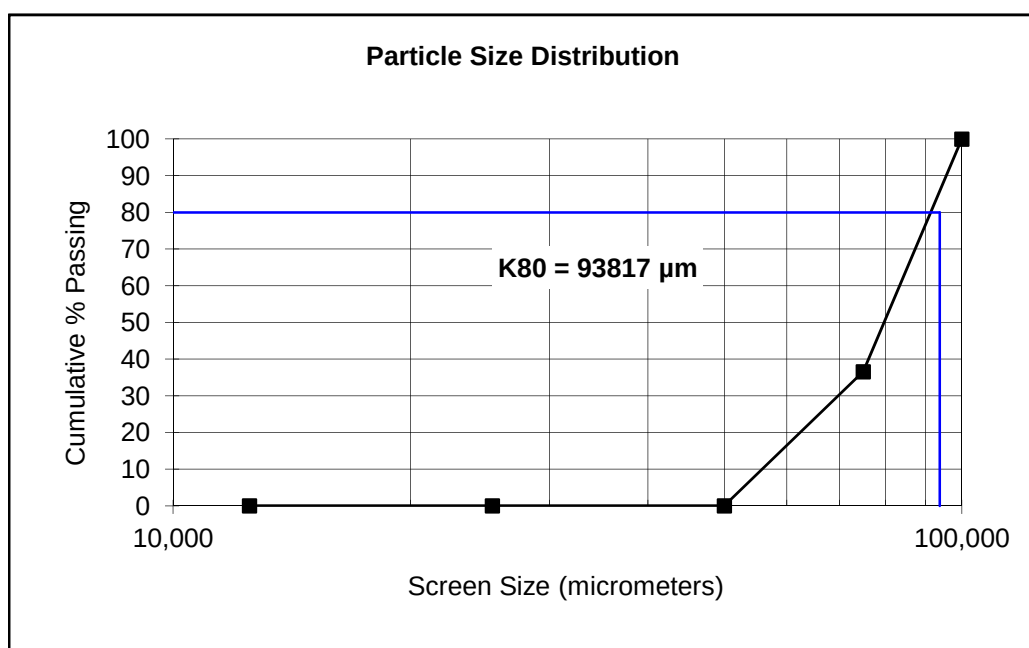
Project No.
CA11026-Oct10

Sample: **GO637218**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	2686.4	63.4	63.4	36.6
2"	50,000	1547.4	36.5	100.0	0.0
1"	25,400	0.0	0.0	100.0	0.0
1/2"	12,500	0.0	0.0	100.0	0.0
Pan	-12,500	1.8	0.0	100.0	0.0
Total	-	4235.6	100.0	-	-
K80	93,817				



SGS Minerals Services
Size Distribution Analysis

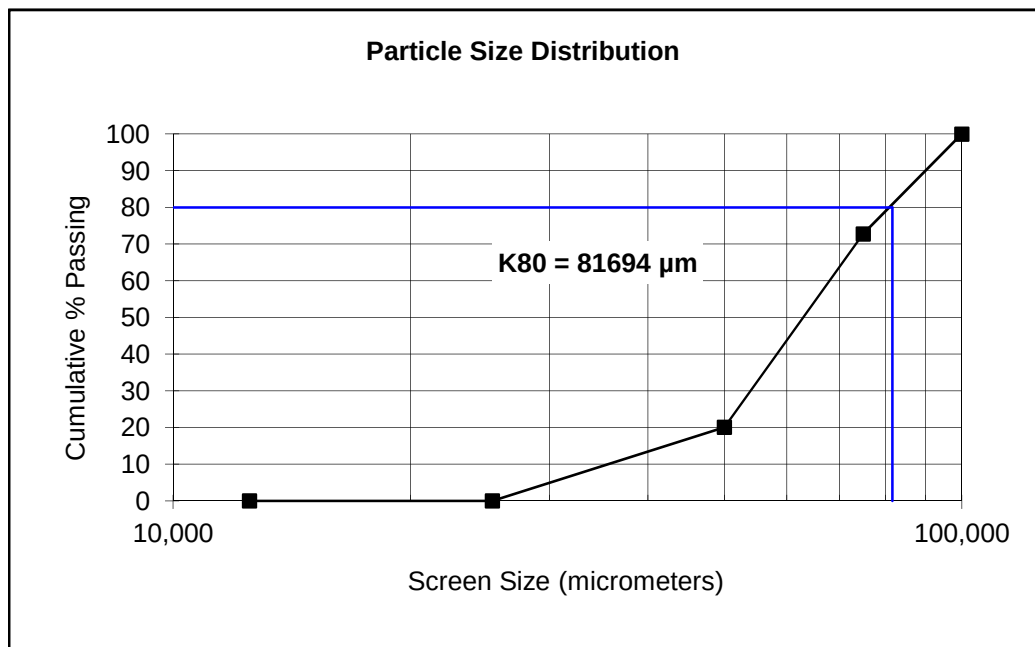
Project No.
CA11026-Oct10

Sample: **GO637219**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	795.0	27.2	27.2	72.8
2"	50,000	1540.8	52.7	79.9	20.1
1"	25,400	586.7	20.1	100.0	0.0
1/2"	12,500	0.0	0.0	100.0	0.0
Pan	-12,500	0.0	0.0	100.0	0.0
Total	-	2922.5	100.0	-	-
K80	81,694				



SGS Minerals Services
Size Distribution Analysis

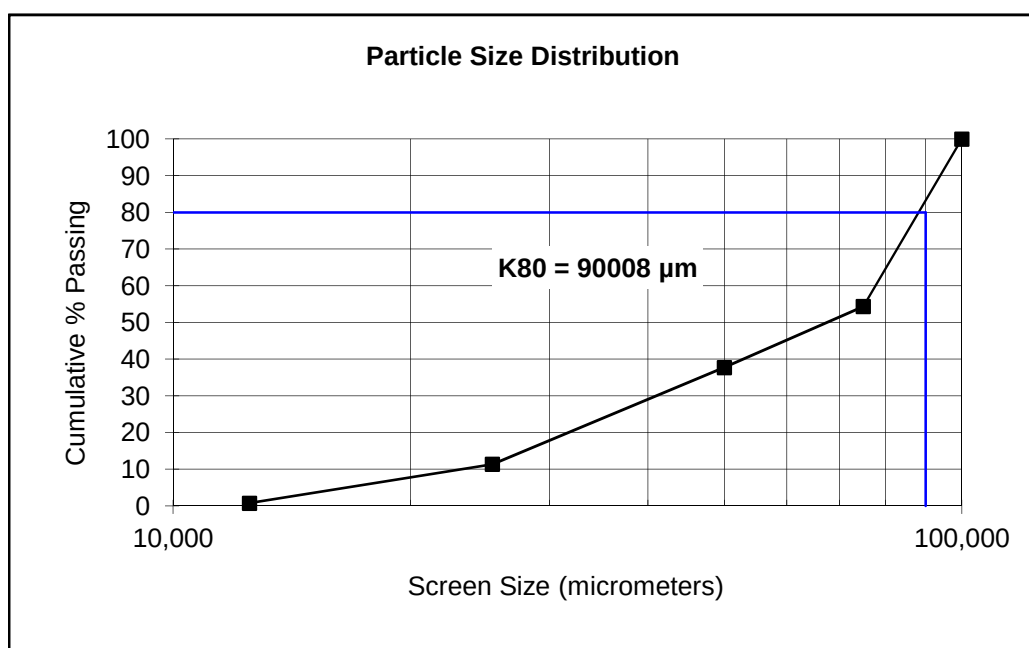
Project No.
CA11026-Oct10

Sample: **GO637221**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	1102.1	45.7	45.7	54.3
2"	50,000	400.8	16.6	62.3	37.7
1"	25,400	637.4	26.4	88.7	11.3
1/2"	12,500	255.8	10.6	99.3	0.7
Pan	-12,500	18.0	0.7	100.0	0.0
Total	-	2414.1	100.0	-	-
K80	90,008				



SGS Minerals Services
Size Distribution Analysis

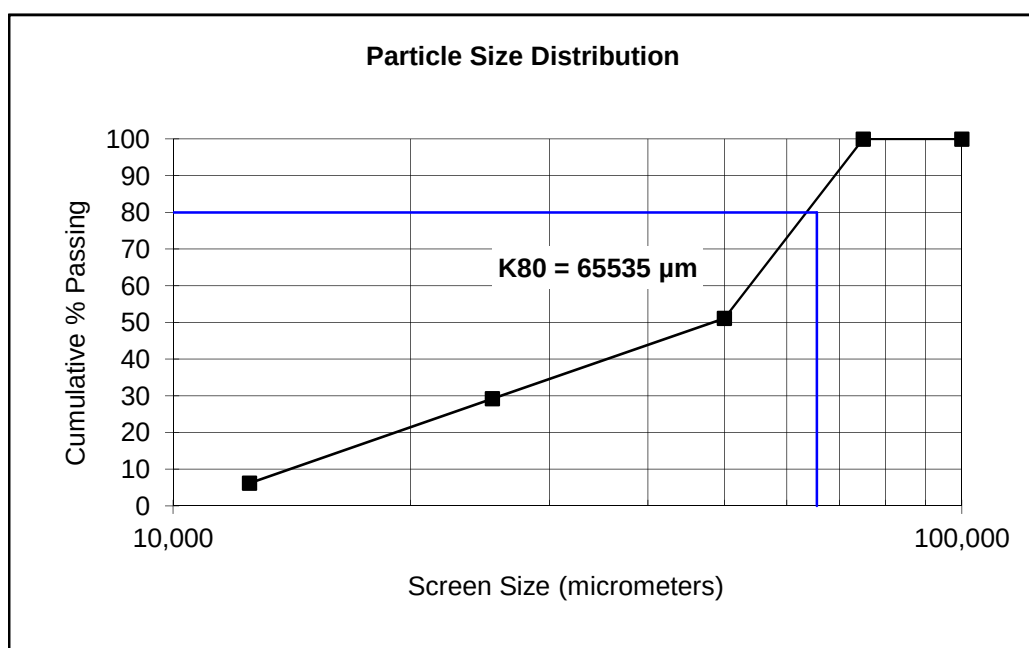
Project No.
CA11026-Oct10

Sample: **GO637222**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	0.0	0.0	0.0	100.0
2"	50,000	1369.2	48.9	48.9	51.1
1"	25,400	613.7	21.9	70.8	29.2
1/2"	12,500	644.8	23.0	93.8	6.2
Pan	-12,500	174.4	6.2	100.0	0.0
Total	-	2802.1	100.0	-	-
K80	65,535				



SGS Minerals Services
Size Distribution Analysis

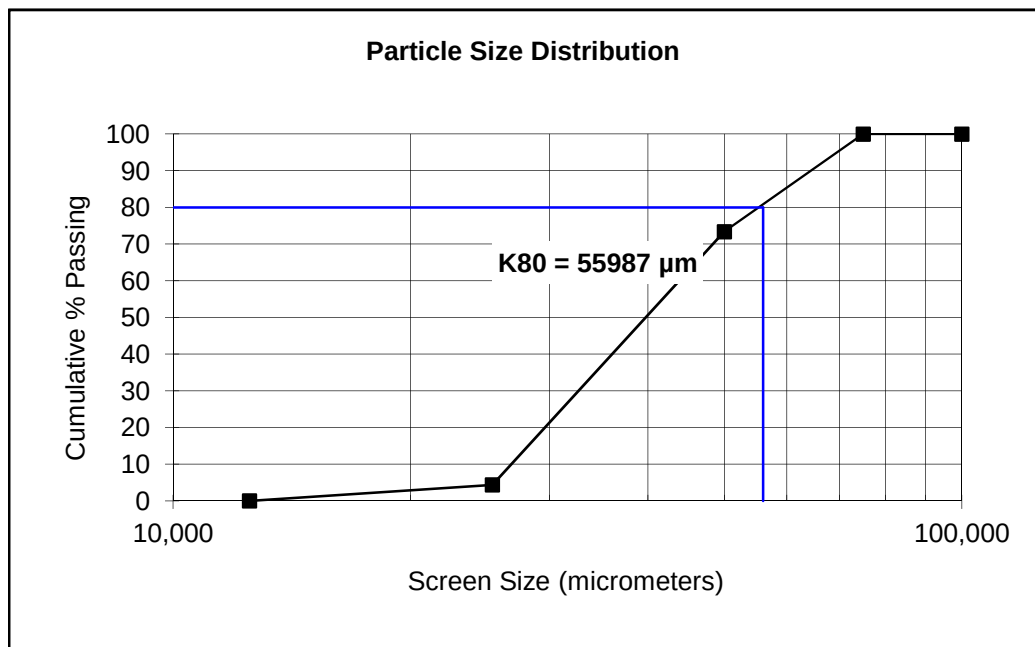
Project No.
CA11026-Oct10

Sample: **GO637223**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	0.0	0.0	0.0	100.0
2"	50,000	772.4	26.6	26.6	73.4
1"	25,400	2002.4	69.0	95.6	4.4
1/2"	12,500	127.3	4.4	100.0	0.0
Pan	-12,500	0.0	0.0	100.0	0.0
Total	-	2902.1	100.0	-	-
K80	55,987				



SGS Minerals Services
Size Distribution Analysis

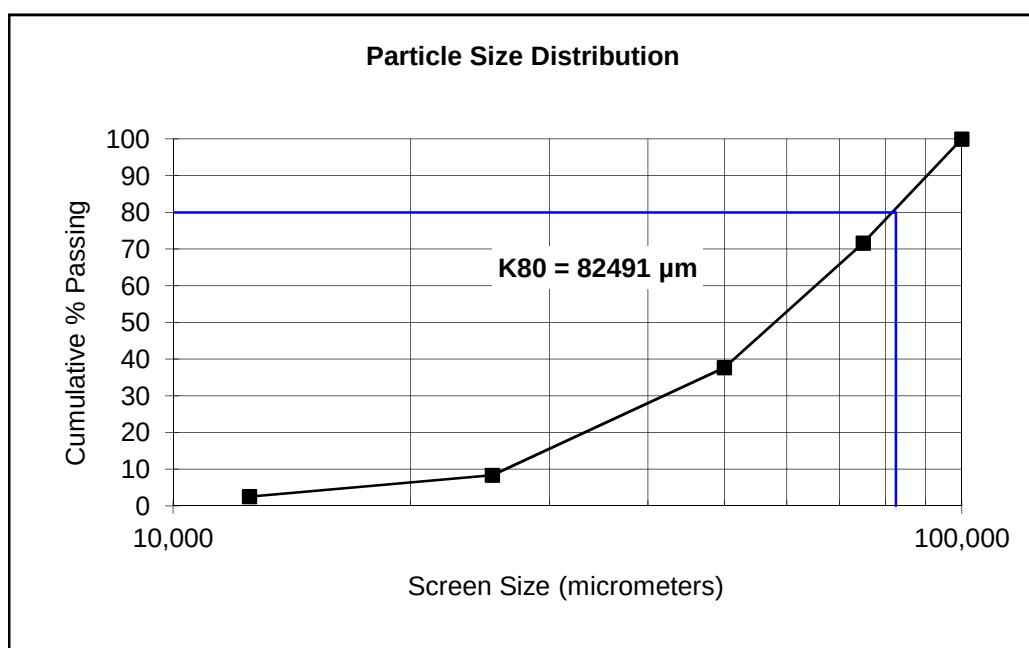
Project No.
CA11026-Oct10

Sample: **GO637224**

Test No.:

Fortune Minerals

Mesh	Size	Weight grams	% Retained		% Passing Cumulative
	µm		Individual	Cumulative	
6"	152,400	0.0	0.0	0.0	100.0
4"	100,000	0.0	0.0	0.0	100.0
3"	75,000	862.7	28.4	28.4	71.6
2"	50,000	1032.8	34.0	62.3	37.7
1"	25,400	892.1	29.3	91.6	8.4
1/2"	12,500	177.7	5.8	97.5	2.5
Pan	-12,500	76.7	2.5	100.0	0.0
Total	-	3042.0	100.0	-	-
K80	82,491				



SUMMARY OF WATER CONTENT DETERMINATIONS

ASTM D 2216-05

PROJECT NUMBER	11-1118-0066
PROJECT NAME	Fortune Minerals / Nico / Yellowknife
DATE	September, 2011

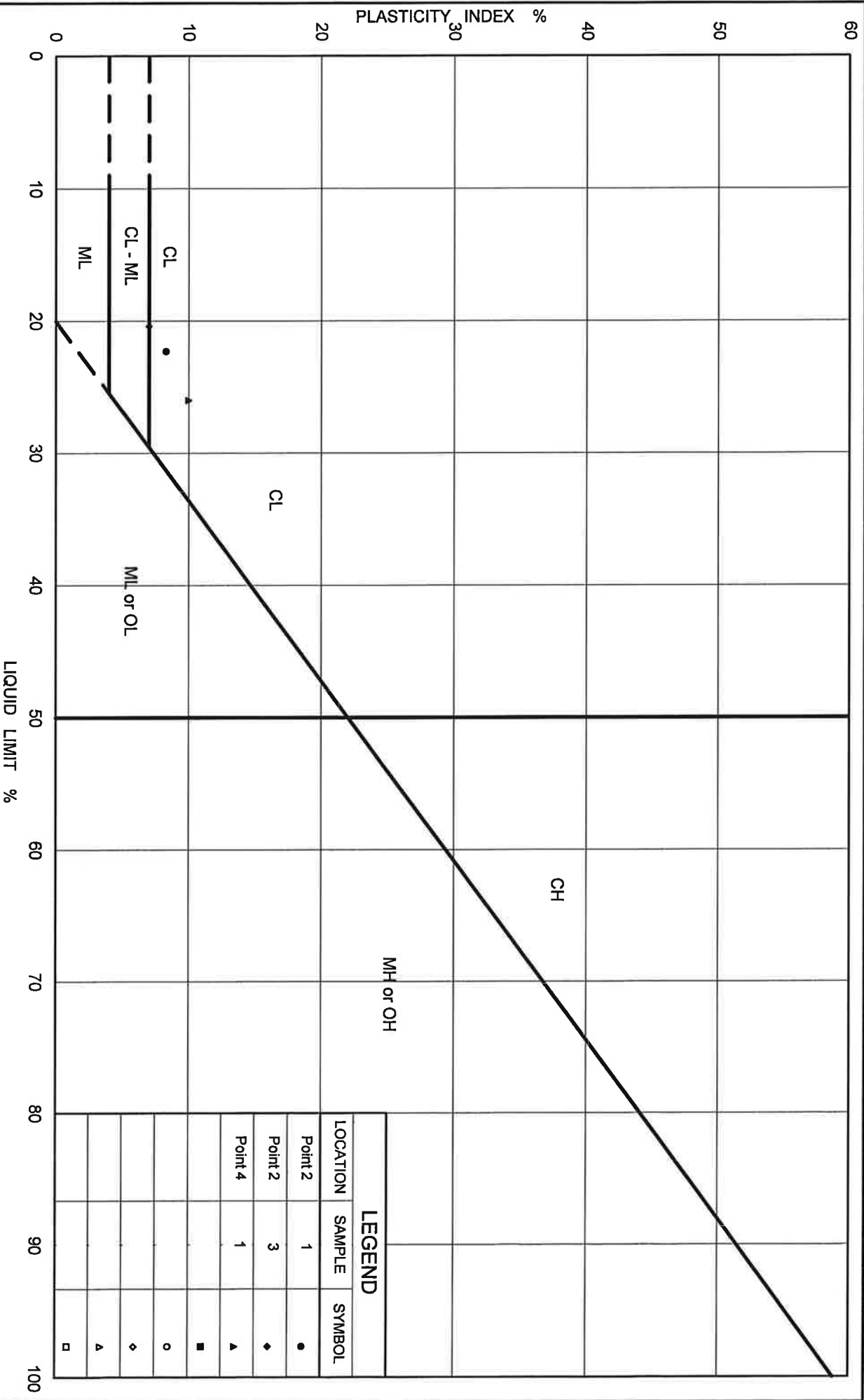
Location	Sample No.	Water Content (%)	Atterberg Limits LL, PL, PI
Point 2	1	10.0%	LL=22.3, PL=14.0, PI=8.3
Point 2	2	9.7%	NP
Point 2	3	10.3%	LL=20.4, PL=13.4, PI=7.0
Point 4	1	19.5%	LL=26.0, PL=16.0, PI=10.0

SUMMARY OF WATER CONTENT DETERMINATIONS

ASTM D 2216-05

PROJECT NUMBER	11-1118-0066
PROJECT NAME	Fortune Minerals / Nico / Yellowknife
DATE TESTED	August, 2011

Location	Sample No.	Water Content	Atterberg Limits
		(%)	LL, PL, PI
Point 2	1	10.0%	
Point 2	2	9.7%	
Point 2	3	10.3%	
Point 4	1	19.5%	



Golder
Associates

PLASTICITY CHART

Figure No.

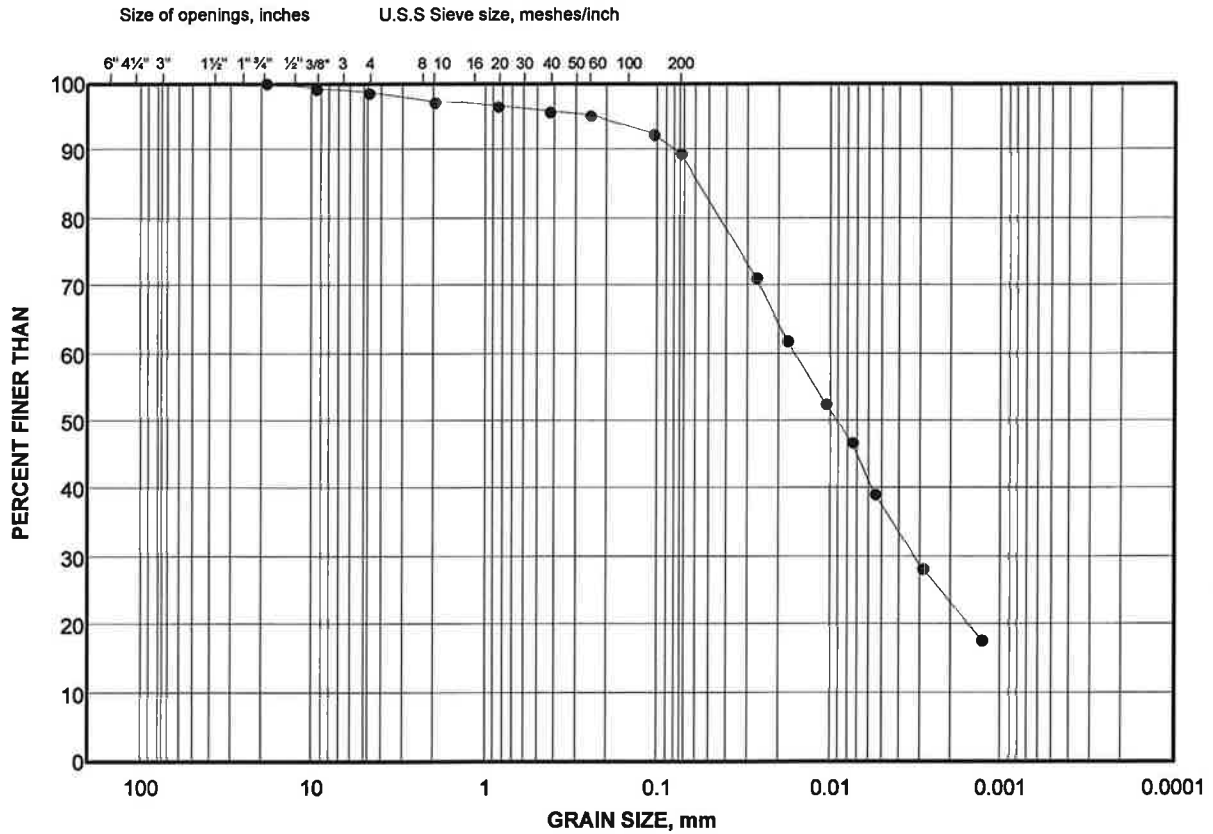
Project No. 11-11118-0066

Checked By:

W. H.

GRAIN SIZE DISTRIBUTION

FIGURE



COBBLE	COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND CLAY SIZES
SIZE	GRAVEL SIZE		SAND SIZE			FINE GRAINED

LEGEND

SYMBOL	LOCATION	SAMPLE	DEPTH(m)
•	Point 4	1	

Project Number: 11-1118-0066

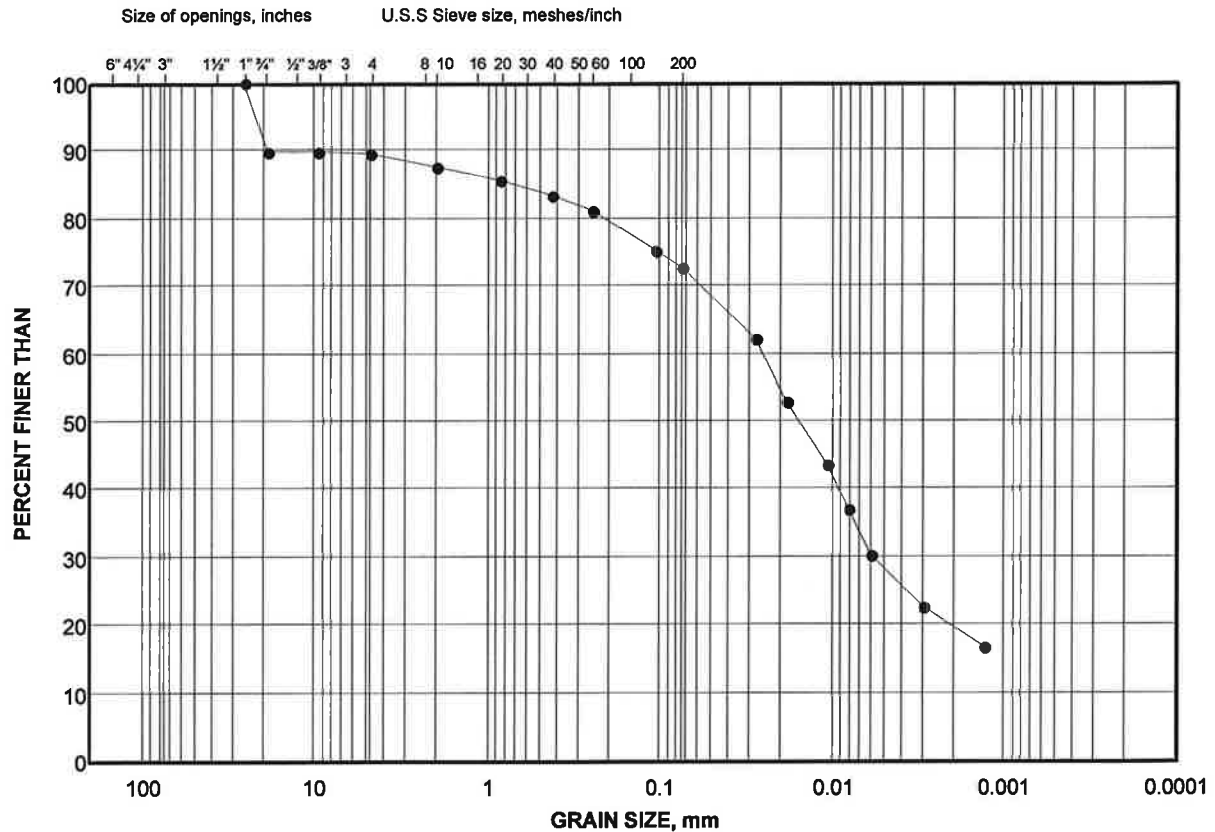
Checked By: 

Golder Associates

Date: 22-Sep-11

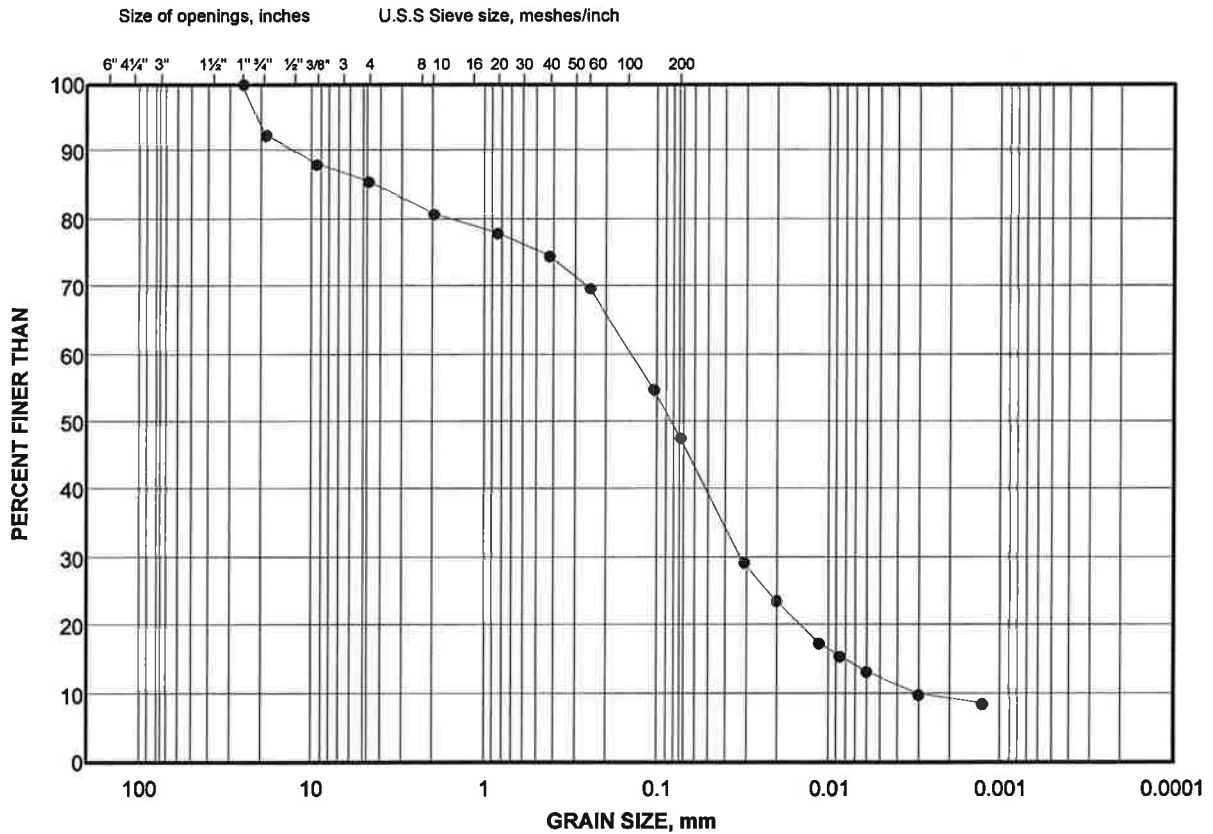
GRAIN SIZE DISTRIBUTION

FIGURE



GRAIN SIZE DISTRIBUTION

FIGURE



COBBLE	COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND CLAY SIZES
SIZE	GRAVEL SIZE		SAND SIZE			FINE GRAINED

LEGEND

SYMBOL	LOCATION	SAMPLE	DEPTH(m)
•	Point 2	2	

Project Number: 11-1118-0066

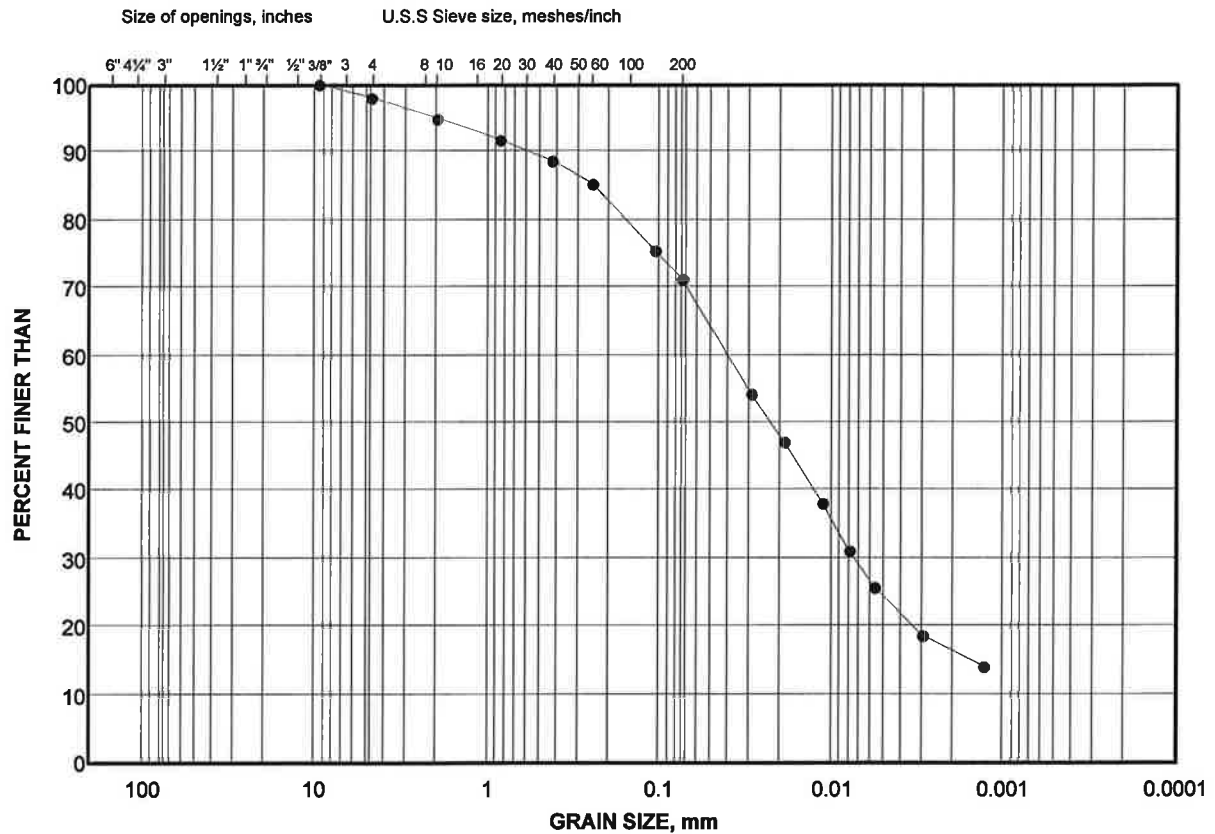
Checked By: *[Signature]*

Golder Associates

Date: 22-Sep-11

GRAIN SIZE DISTRIBUTION

FIGURE



DENSITY AND POROSITY DETERMINATIONS OF IRREGULAR SHAPE SAMPLES

ASTM D 7263 - 09 Method A

Location	Point 2	Point 2	Point 4 (A)	Point 4 (B)
Sample Number	2	3	1	1
Wet Mass of Soil in Air, g	91.74	25.18	122.60	186.38
Wet Mass of Soil + Wax in Air, g	96.18	26.56	130.53	195.14
Wet Mass of Soil + Wax in Water, g	50.33	12.98	63.60	95.71
Weight of Wax, g	4.44	1.38	7.93	8.76
Displaced Volume, cm ³	45.85	13.58	66.93	99.43
Displaced Wax, cm ³	4.89	1.52	8.73	9.65
Volume of Soil, cm ³	40.96	12.06	58.20	89.78
Specific Gravity, assumed	2.70	2.70	2.70	2.70
Volume of Solids, cm ³	30.97	8.46	38.00	57.77
Volume of Voids, cm ³	9.99	3.61	20.20	32.02
Porosity	0.24	0.30	0.35	0.36
Water Content, %	9.70	10.30	19.50	19.50
Unit Weight, kN/m ³	21.96	20.47	20.66	20.36
Dry Unit Weight, kN/m ³	20.02	18.56	17.29	17.04
Project Number	11-1118-0066		Tested By	Larry
Date Tested	8/30/2011		Checked By	