

Shea Clark Smith / MEG Labs, P.O. Box 18325, Reno, Nevada, USA 89511
 Tel: 775-849-2235 Email: SheaClarkSmith@gmail.com

MEG Pt-Pd-Au Standards (updated: 25-MAR-12)

AVAILABLE in 50 gram Kraft Envelopes

Sold with Certificates of Assay for Pt-Pd-Au (n = 64 - 72 assays, 8 - 10 Different Laboratories)

Cost: \$6.90 per envelope

MEG-Pt.10.04 (BLANK)

PLATINUM (ppm) 64 Assays, 9 Labs

SAMPLES AVG = 0.005 MAX = 0.008
 LABS AVG = 0.005 MIN = 0.003
 MEAN + 1SD = 0.007 STDEV = 0.002
 MEAN - 1SD = 0.003 %RSD = 37.6%

95% Confidence = 0.001 - 0.009

PALLADIUM (ppm) 69 Assays, 10 Labs

SAMPLES AVG = .006 MAX = 0.015
 LABS AVG = .006 MIN = 0.003
 MEAN + 1SD = 0.010 STDEV = 0.004
 MEAN - 1SD = 0.002 %RSD = 55.6%

95% Confidence = -0.001 - 0.013

GOLD (ppm) 61 Assays, 8 Labs

SAMPLES AVG = 0.005 MAX = 0.006
 LABS AVG = 0.004 MIN = 0.001
 MEAN + 1SD = 0.006 STDEV = 0.002
 MEAN - 1SD = 0.002 %RSD = 43.8%

95% Confidence = 0.001 - 0.008

Characterization Data (4-Acid / ICPMS)

Rh	Ru	Ir	Ce	Cr	Cu	Fe	La	Mg	Mn	Ni	Sr	Zn
ppb	ppb	ppb	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
2	<2	<2	8	1050	20	515	510	21	890	2020	8	45

Source = Barren Serpentinite, Quincy, CA

MEG-Pt.10.05 (Low Grade)

PLATINUM (ppm) 66 Assays, 10 Labs

SAMPLES AVG = 0.045 MAX = 0.052
 LABS AVG = 0.044 MIN = 0.033
 MEAN + 1SD = 0.050 STDEV = 0.006
 MEAN - 1SD = 0.038 %RSD = 12.9%

95% Confidence = 0.032 - 0.055

PALLADIUM (ppm) 68 Assays, 10 Labs

SAMPLES AVG = 0.227 MAX = 0.240
 LABS AVG = 0.223 MIN = 0.191
 MEAN + 1SD = 0.239 STDEV = 0.016
 MEAN - 1SD = 0.207 %RSD = 7.2%

95% Confidence = 0.191 - 0.256

GOLD (ppm) 64 Assays, 9 Labs

SAMPLES AVG = 0.025 MAX = 0.030
 LABS AVG = 0.024 MIN = 0.016
 MEAN + 1SD = 0.028 STDEV = 0.004
 MEAN - 1SD = 0.020 %RSD = 18.4%

95% Confidence = 0.015 - 0.033

Characterization Data (4-Acid / ICPMS)

Rh	Ru	Ir	Ce	Cr	Cu	Fe	La	Mg	Mn	Ni	Sr	Zn
ppb	ppb	ppb	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
3	<2	<2	40	900	30	4.8	23	17	870	1650	43	45

Source = Stillwater Mine, MT + Barren Serpentinite

Shea Clark Smith / MEG Labs, P.O. Box 18325, Reno, Nevada, USA 89511
 Tel: 775-849-2235 Email: SheaClarkSmith@gmail.com

MEG Pt-Pd-Au Standards (updated: 25-MAR-12)

AVAILABLE in 50 gram Kraft Envelopes

Sold with Certificates of Assay for Pt-Pd-Au (n = 64 - 72 assays, 8 - 10 Different Laboratories)

Cost: \$6.90 per envelope

MEG-Pt.10.06

PLATINUM (ppm) 67 Assays, 10 Labs

SAMPLES AVG = 0.072 MAX = 0.081
 LABS AVG = **0.071** MIN = 0.061
 MEAN + 1SD = 0.077 STDEV = 0.006
 MEAN - 1SD = 0.065 %RSD = 8.4%

95% Confidence = **0.059 - 0.083**

Characterization Data (4-Acid / ICPMS)

Rh	Ru	Ir	Ce	Cr	Cu	Fe	La	Mg	Mn	Ni	Sr	Zn
ppb	ppb	ppb	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
4	<2	<2	178	630	45	4.5	98	14	1010	1380	135	57

Source = Stillwater Mine, MT + Barren Serpentinite

PALLADIUM (ppm)

72 Assays, 10 Labs

SAMPLES AVG = 0.386 MAX = 0.412
 LABS AVG = **0.382** MIN = 0.312
 MEAN + 1SD = 0.411 STDEV = 0.029
 MEAN - 1SD = 0.353 %RSD = 7.5%

95% Confidence = **0.325 - 0.440**

GOLD (ppm)

64 Assays, 9 Labs

SAMPLES AVG = 0.039 MAX = 0.048
 LABS AVG = **0.040** MIN = 0.029
 MEAN + 1SD = 0.046 STDEV = 0.006
 MEAN - 1SD = 0.034 %RSD = 14.2%

95% Confidence = **0.029 - 0.051**

MEG-Pt.09.11

PLATINUM (ppm) 67 Assays, 10 Labs

SAMPLES AVG = 0.176 MAX = 0.189
 LABS AVG = **0.176** MIN = 0.166
 MEAN + 1SD = 0.184 STDEV = 0.008
 MEAN - 1SD = 0.168 %RSD = 4.5%

95% Confidence = **0.160 - 0.192**

Characterization Data (4-Acid / ICPMS)

Rh	Ru	Ir	Ce	Cr	Cu	Fe	La	Mg	Mn	Ni	Sr	Zn
ppb	ppb	ppb	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
7	5	2	<5	130	73	3.3	1.5	3.5	550	360	117	23

Source = Stillwater Mine, MT (East Boulder Tails)

PALLADIUM (ppm)

72 Assays, 10 Labs

SAMPLES AVG = 0.995 MAX = 1.039
 LABS AVG = **0.980** MIN = 0.910
 MEAN + 1SD = 1.019 STDEV = 0.039
 MEAN - 1SD = 0.941 %RSD = 3.9%

95% Confidence = **0.903 - 1.058**

GOLD (ppm)

72 Assays, 10 Labs

SAMPLES AVG = 0.085 MAX = 0.102
 LABS AVG = **0.084** MIN = 0.065
 MEAN + 1SD = 0.094 STDEV = 0.010
 MEAN - 1SD = 0.074 %RSD = 11.7%

95% Confidence = **0.065 - 0.104**

Shea Clark Smith / MEG Labs, P.O. Box 18325, Reno, Nevada, USA 89511
 Tel: 775-849-2235 Email: SheaClarkSmith@gmail.com

MEG Pt-Pd-Au Standards (updated: 25-MAR-12)

AVAILABLE in 50 gram Kraft Envelopes

Sold with Certificates of Assay for Pt-Pd-Au (n = 64 - 72 assays, 8 - 10 Different Laboratories)

Cost: \$6.90 per envelope

MEG-Pt.10.01

PLATINUM (ppm) 70 Assays, 10 Labs

SAMPLES AVG = 0.336 MAX = 0.370
 LABS AVG = **0.333** MIN = 0.299
 MEAN + 1SD = 0.353 STDEV = 0.020
 MEAN - 1SD = 0.313 %RSD = 6.1%

95% Confidence = **0.293 - 0.374**

PALLADIUM (ppm) 70 Assays, 10 Labs

SAMPLES AVG = 1.730 MAX = 1.826
 LABS AVG = **1.693** MIN = 1.500
 MEAN + 1SD = 1.799 STDEV = 0.106
 MEAN - 1SD = 1.587 %RSD = 6.3%

95% Confidence = **1.481 - 1.906**

GOLD (ppm) 65 Assays, 9 Labs

SAMPLES AVG = 0.326 MAX = 0.354
 LABS AVG = **0.321** MIN = 0.283
 MEAN + 1SD = 0.344 STDEV = 0.023
 MEAN - 1SD = 0.298 %RSD = 7.02%

95% Confidence = **0.276 - 0.366**

Characterization Data (4-Acid / ICPMS)

Rh	Ru	Ir	Ce	Cr	Cu	Fe	La	Mg	Mn	Ni	Sr	Zn
ppb	ppb	ppb	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
5	<2	<2	25	110	80	2.9	16	3.3	590	350	120	25

Source = Stillwater Mine, MT (East Boulder Tails)

MEG-Pt.10.02

PLATINUM (ppm) 70 Assays, 10 Labs

SAMPLES AVG = 0.703 MAX = 0.736
 LABS AVG = **0.693** MIN = 0.603
 MEAN + 1SD = 0.734 STDEV = 0.041
 MEAN - 1SD = 0.652 %RSD = 5.9%

95% Confidence = **0.610 - 0.775**

PALLADIUM (ppm) 71 Assays, 10 Labs

SAMPLES AVG = 3.829 MAX = 4.080
 LABS AVG = **3.726** MIN = 3.152
 MEAN + 1SD = 4.004 STDEV = 0.278
 MEAN - 1SD = 3.448 %RSD = 7.46%

95% Confidence = **3.170 - 4.282**

GOLD (ppm) 66 Assays, 9 Labs

SAMPLES AVG = 0.624 MAX = 0.657
 LABS AVG = **0.612** MIN = 0.543
 MEAN + 1SD = 0.658 STDEV = 0.046
 MEAN - 1SD = 0.566 %RSD = 7.6%

95% Confidence = **0.519 - 0.704**

Characterization Data (4-Acid / ICPMS)

Rh	Ru	Ir	Ce	Cr	Cu	Fe	La	Mg	Mn	Ni	Sr	Zn
ppb	ppb	ppb	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
5	<2	<2	5	115	80	3.1	2.5	3.4	550	340	115	22

Source = Stillwater Mine, MT (East Boulder Tails)

Shea Clark Smith / MEG Labs, P.O. Box 18325, Reno, Nevada, USA 89511
 Tel: 775-849-2235 Email: SheaClarkSmith@gmail.com

MEG Pt-Pd-Au Standards (updated: 25-MAR-12)

AVAILABLE in 50 gram Kraft Envelopes

Sold with Certificates of Assay for Pt-Pd-Au (n = 64 - 72 assays, 8 - 10 Different Laboratories)

Cost: \$6.90 per envelope

MEG-Pt.10.03 (High Grade)

PLATINUM (ppm) 68 Assays, 10 Labs

SAMPLES AVG = 1.044 MAX = 1.090
 LABS AVG = **1.031** MIN = 0.928
 MEAN + 1SD = 1.088 STDEV = 0.057
 MEAN - 1SD = 0.974 %RSD = 5.5%

95% Confidence = **0.918 - 1.144**

PALLADIUM (ppm) 69 Assays, 10 Labs

SAMPLES AVG = 4.573 MAX = 4.934
 LABS AVG = **4.469** MIN = 3.868
 MEAN + 1SD = 4.784 STDEV = 0.315
 MEAN - 1SD = 4.154 %RSD = 7.05%

95% Confidence = **3.839 - 5.099**

GOLD (ppm) 69 Assays, 10 Labs

SAMPLES AVG = 0.937 MAX = 1.043
 LABS AVG = **0.930** MIN = 0.838
 MEAN + 1SD = 0.989 STDEV = 0.059
 MEAN - 1SD = 0.871 %RSD = 6.4%

95% Confidence = **0.811 - 1.049**

Characterization Data (4-Acid / ICPMS)

Rh	Ru	Ir	Ce	Cr	Cu	Fe	La	Mg	Mn	Ni	Sr	Zn
ppb	ppb	ppb	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
5	<2	<2	<5	115	80	3.1	2	3.4	550	350	115	22

Source = Stillwater Mine, MT (East Boulder Tails)