

MEG, LLC

PO Box 281728 Lamoile, NV USA 89828

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Email standards@megllc.net

M: +1 541 350 8738



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: \$7.85 per envelope

MEG-Pt.09.11

PLATINUM (ppm) 67 Assays, 10 Labs

SAMPLES AVG = 0.176
LABS AVG = **0.176**
MEAN + 1SD = 0.184
MEAN - 1SD = 0.168

MAX = 0.189
MIN = 0.166
STDEV = 0.008
%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
LABS AVG = **0.980**
MEAN + 1SD = 1.019
MEAN - 1SD = 0.941

MAX = 1.039
MIN = 0.910
STDEV = 0.039
%RSD = 3.9%

95% Confidence = **0.903 - 1.058**

GOLD (ppm)

72 Assays, 10 Labs

SAMPLES AVG = 0.085
LABS AVG = **0.084**
MEAN + 1SD = 0.094
MEAN - 1SD = 0.074

MAX = 0.102
MIN = 0.065
STDEV = 0.010
%RSD = 11.7%

95% Confidence = **0.065 - 0.104**

MEG-Pt.10.01

PLATINUM (ppm) 70 Assays, 10 Labs

SAMPLES AVG = 0.336
LABS AVG = **0.333**
MEAN + 1SD = 0.353
MEAN - 1SD = 0.313

MAX = 0.370
MIN = 0.299
STDEV = 0.020
%RSD = 6.1%

95% Confidence = **0.293 - 0.374**

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)

PALLADIUM (ppm)

70 Assays, 10 Labs

SAMPLES AVG = 1.730
LABS AVG = **1.693**
MEAN + 1SD = 1.799
MEAN - 1SD = 1.587

MAX = 1.826
MIN = 1.500
STDEV = 0.106
%RSD = 6.3%

95% Confidence = **1.481 - 1.906**

GOLD (ppm)

65 Assays, 9 Labs

SAMPLES AVG = 0.326
LABS AVG = **0.321**
MEAN + 1SD = 0.344
MEAN - 1SD = 0.298

MAX = 0.354
MIN = 0.283
STDEV = 0.023
%RSD = 7.02%

95% Confidence = **0.276 - 0.366**

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MEG-Pt.10.02

PLATINUM (ppm) 70 Assays, 10 Labs

SAMPLES AVG = 0.703
LABS AVG = **0.693**
MEAN + 1SD = 0.734
MEAN - 1SD = 0.652

MAX = 0.736
MIN = 0.603
STDEV = 0.041
%RSD = 5.9%

95% Confidence = **0.610 - 0.775**

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)

PALLADIUM (ppm)

71 Assays, 10 Labs

SAMPLES AVG = 3.829
LABS AVG = **3.726**
MEAN + 1SD = 4.004
MEAN - 1SD = 3.448

MAX = 4.080
MIN = 3.152
STDEV = 0.278
%RSD = 7.46%

95% Confidence = **3.170 - 4.282**

GOLD (ppm)

66 Assays, 9 Labs

SAMPLES AVG = 0.624
LABS AVG = **0.612**
MEAN + 1SD = 0.658
MEAN - 1SD = 0.566

MAX = 0.657
MIN = 0.543
STDEV = 0.046
%RSD = 7.6%

95% Confidence = **0.519 - 0.704**

MEG-Pt.10.03 (High Grade)

PLATINUM (ppm) 68 Assays, 10 Labs

SAMPLES AVG = 1.044
LABS AVG = **1.031**
MEAN + 1SD = 1.088
MEAN - 1SD = 0.974

MAX = 1.090
MIN = 0.928
STDEV = 0.057
%RSD = 5.5%

95% Confidence = **0.918 - 1.144**

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)

PALLADIUM (ppm)

69 Assays, 10 Labs

SAMPLES AVG = 4.573
LABS AVG = **4.469**
MEAN + 1SD = 4.784
MEAN - 1SD = 4.154

MAX = 4.934
MIN = 3.868
STDEV = 0.315
%RSD = 7.05%

95% Confidence = **3.839 - 5.099**

GOLD (ppm)

69 Assays, 10 Labs

SAMPLES AVG = 0.937
LABS AVG = **0.930**
MEAN + 1SD = 0.989
MEAN - 1SD = 0.871

MAX = 1.043
MIN = 0.838
STDEV = 0.059
%RSD = 6.4%

95% Confidence = **0.811 - 1.049**

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MEG-Pt.10.04 (BLANK)

PLATINUM (ppm) 64 Assays, 9 Labs

SAMPLES AVG = 0.005
LABS AVG = 0.005
MEAN + 1SD = 0.007
MEAN - 1SD = 0.003

MAX = 0.008
MIN = 0.003
STDEV = 0.002
%RSD = 37.6%

95% Confidence = 0.001 - 0.009

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 Host Rock

PALLADIUM (ppm) 69 Assays, 10 Labs

SAMPLES AVG = .006
LABS AVG = .006
MEAN + 1SD = 0.010
MEAN - 1SD = 0.002

MAX = 0.015
MIN = 0.003
STDEV = 0.004
%RSD = 55.6%

95% Confidence = -0.001 - 0.013

GOLD (ppm) 61 Assays, 8 Labs

SAMPLES AVG = 0.005
LABS AVG = 0.004
MEAN + 1SD = 0.006
MEAN - 1SD = 0.002

MAX = 0.006
MIN = 0.001
STDEV = 0.002
%RSD = 43.8%

95% Confidence = 0.001 - 0.008

MEG-Pt.10.05 (Low Grade)

PLATINUM (ppm) 66 Assays, 10 Labs

SAMPLES AVG = 0.045
LABS AVG = 0.044
MEAN + 1SD = 0.050
MEAN - 1SD = 0.038

MAX = 0.052
MIN = 0.033
STDEV = 0.006
%RSD = 12.9%

95% Confidence = 0.032 - 0.055

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 Host Rock

PALLADIUM (ppm) 68 Assays, 10 Labs

SAMPLES AVG = 0.227
LABS AVG = 0.223
MEAN + 1SD = 0.239
MEAN - 1SD = 0.207

MAX = 0.240
MIN = 0.191
STDEV = 0.016
%RSD = 7.2%

95% Confidence = 0.191 - 0.256

GOLD (ppm) 64 Assays, 9 Labs

SAMPLES AVG = 0.025
LABS AVG = 0.024
MEAN + 1SD = 0.028
MEAN - 1SD = 0.020

MAX = 0.030
MIN = 0.016
STDEV = 0.004
%RSD = 18.4%

95% Confidence = 0.015 - 0.033

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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

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

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 Host Rock