



Date Submitted: 18-Oct-13
Invoice No.: A13-12645
Invoice Date: 31-Oct-13
Your Reference: NA45-29B

Cantex Mine Development Corp
203-1634 Harvey Ave
Kelowna BC V1Y 6G2

ATTN: Shadi Morton

CERTIFICATE OF ANALYSIS

16 Pulp samples were submitted for analysis.

The following analytical package was requested: Code UT-7 Sodium Peroxide Fusion (ICP & ICPMS)

REPORT **A13-12645**

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Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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Activation Laboratories Ltd.

Report: A13-12645

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1
Analysis Method	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2
CH003_QTZ	6.95	< 5	210	419	< 3	< 2	0.14	< 2	69.5	6.2	100	5.8	15	2.2	1.9	0.8	2.56	17.2	4.0	1.7	< 10	0.7	< 0.2	4.4
CH003	7.02	< 5	200	459	< 3	< 2	0.11	< 2	80.9	9.8	90	5.6	17	2.8	2.1	1.0	2.44	16.5	4.9	1.8	< 10	0.8	< 0.2	4.6
CH004_ASSAY	3.12	< 5	60	466	< 3	< 2	0.83	< 2	77.3	5.1	280	2.4	43	2.8	1.8	0.8	2.10	7.4	5.1	< 0.7	10	0.7	< 0.2	2.5
CH005A	4.41	< 5	560	415	< 3	< 2	0.55	< 2	60.1	18.1	250	3.5	40	2.0	1.6	0.8	2.67	11.2	3.8	1.7	< 10	0.6	< 0.2	3.3
CH005B	1.92	< 5	130	311	< 3	< 2	0.59	< 2	29.8	46.6	430	1.3	95	1.3	1.1	0.5	3.23	4.5	2.6	0.8	< 10	0.4	< 0.2	1.9
CH006C	3.40	< 5	180	318	< 3	< 2	6.45	< 2	50.5	14.3	60	3.5	103	3.3	2.1	1.2	2.79	9.2	4.9	1.0	< 10	0.8	0.2	2.7
CH106A	5.61	< 5	490	453	< 3	< 2	3.91	< 2	61.2	2.9	140	5.9	24	2.1	1.7	1.0	1.91	14.1	4.1	< 0.7	< 10	0.6	< 0.2	4.3
CH106B	4.67	< 5	220	484	< 3	< 2	3.03	< 2	56.6	3.3	140	5.2	21	1.9	1.7	0.9	1.58	12.4	3.8	< 0.7	< 10	0.6	< 0.2	3.9
CH106D	1.65	< 5	90	176	< 3	< 2	10.7	< 2	26.5	4.6	110	1.3	48	2.0	1.4	1.0	3.32	4.2	3.4	< 0.7	< 10	0.6	0.6	1.4
CH007A	6.17	< 5	410	503	< 3	< 2	1.73	< 2	72.3	3.0	140	5.9	13	1.4	1.4	0.9	0.99	15.9	3.5	< 0.7	< 10	0.5	< 0.2	4.8
CH007B	1.04	< 5	100	93	< 3	< 2	14.6	< 2	57.0	< 0.2	110	1.0	7	1.9	1.3	1.1	3.93	3.1	3.7	< 0.7	< 10	0.6	0.9	0.8
CH008A	0.12	< 5	< 10	33	< 3	< 2	2.89	< 2	11.0	7.0	520	0.2	50	0.7	0.7	1.1	1.36	0.5	1.7	< 0.7	< 10	0.3	< 0.2	< 0.1
CH008B	6.04	< 5	240	467	< 3	< 2	2.66	< 2	78.1	9.8	140	6.5	14	2.7	2.1	1.2	2.08	16.3	4.9	0.9	< 10	0.7	< 0.2	4.6
CH009	7.27	< 5	240	562	< 3	< 2	0.08	< 2	86.2	6.2	90	5.9	17	2.8	2.3	1.0	2.35	18.5	5.1	2.1	< 10	0.7	< 0.2	4.9
CH009B	5.50	76	10	11	< 3	< 2	0.15	2	5.0	< 0.2	540	0.2	53	< 0.3	0.3	0.1	3.17	0.8	0.4	4.4	< 10	< 0.2	< 0.2	3.9
KAR1110	0.35	< 5	120	508	< 3	< 2	0.31	< 2	54.5	4.4	120	2.6	16	0.6	1.1	0.6	0.72	10.4	2.6	1.8	< 10	0.3	< 0.2	0.2

Activation Laboratories Ltd.

Report: A13-12645

Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	
CH003_QTZ	32.6	32	1.65	81	4	8.6	27.5	20	0.032	3.8	7.9	163	0.02	< 2	< 0.8	28.7	4.2	< 0.5	9	0.7	< 0.1	< 6	12.8	0.35
CH003	35.6	36	1.57	130	4	10.2	32.9	10	0.036	3.9	9.1	159	0.03	< 2	2.0	31.8	4.9	< 0.5	10	0.8	0.2	< 6	14.0	0.35
CH004_ASSAY	27.9	9	1.23	258	5	5.7	35.1	10	0.008	12.9	8.5	79.3	0.05	3	2.3	33.8	5.6	< 0.5	18	0.4	0.3	< 6	7.8	0.14
CH005A	26.9	21	0.83	194	8	6.6	24.7	30	0.024	15.0	6.9	116	0.52	< 2	< 0.8	34.8	3.6	< 0.5	17	0.5	0.1	< 6	8.6	0.20
CH005B	12.3	< 3	0.42	235	7	2.5	13.4	50	0.010	37.3	3.5	53.8	1.68	< 2	< 0.8	39.0	2.2	< 0.5	15	< 0.2	< 0.1	< 6	4.3	0.07
CH006C	23.5	35	3.44	1100	5	5.0	22.1	30	0.022	14.0	6.0	103	0.23	< 2	< 0.8	26.3	4.6	< 0.5	40	0.3	0.4	< 6	7.1	0.16
CH106A	28.7	44	2.62	591	5	9.4	25.1	20	0.032	7.8	7.1	160	0.03	10	< 0.8	29.2	4.2	< 0.5	40	0.7	0.2	< 6	11.7	0.28
CH106B	25.8	32	2.06	484	4	8.1	22.9	< 10	0.025	9.3	6.4	141	0.02	< 2	< 0.8	31.2	3.6	1.5	33	0.5	0.1	< 6	10.0	0.23
CH106D	12.4	< 3	4.96	1380	4	< 2.4	12.2	< 10	0.014	24.8	3.2	46.6	0.10	< 2	4.7	17.8	2.9	< 0.5	46	< 0.2	0.2	< 6	3.5	0.08
CH007A	35.5	37	1.49	284	5	9.7	26.9	< 10	0.031	5.6	8.0	171	0.02	< 2	2.1	32.7	4.0	< 0.5	23	0.7	< 0.1	< 6	12.6	0.31
CH007B	25.5	< 3	7.00	2100	< 1	< 2.4	24.3	< 10	0.006	< 0.8	5.1	31.8	0.05	< 2	< 0.8	13.7	3.5	< 0.5	73	< 0.2	< 0.1	< 6	2.8	0.05
CH008A	4.4	< 3	0.86	743	20	< 2.4	5.4	220	0.007	50.9	1.4	3.2	0.02	< 2	2.7	40.0	1.2	< 0.5	26	< 0.2	< 0.1	< 6	0.5	< 0.01
CH008B	36.3	44	1.88	587	3	9.8	31.8	20	0.036	8.4	8.9	178	0.16	3	1.3	30.7	4.9	< 0.5	28	0.6	0.3	< 6	13.2	0.31
CH009	40.2	38	1.72	74	3	11.1	35.2	20	0.037	5.9	9.8	183	< 0.01	23	< 0.8	31.3	5.2	< 0.5	10	0.7	0.2	< 6	14.7	0.36
CH009B	2.4	67	2.03	225	6	< 2.4	2.5	10	0.032	1000	0.7	5.4	0.04	10	< 0.8	33.7	0.5	< 0.5	4	< 0.2	< 0.1	< 6	0.6	0.27
KAR1110	24.6	31	0.18	130	4	6.4	21.7	20	0.008	6.5	6.2	92.6	0.03	< 2	< 0.8	44.7	3.3	< 0.5	9	0.5	< 0.1	< 6	9.5	< 0.01

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
CH003_QTZ	0.6	0.3	2.6	48	< 0.7	14.3	1.9	< 30
CH003	0.6	0.3	2.7	38	< 0.7	16.9	2.2	< 30
CH004_ASSAY	0.4	0.3	1.8	28	< 0.7	16.4	1.7	< 30
CH005A	0.5	0.2	2.3	39	< 0.7	13.7	1.6	< 30
CH005B	0.3	0.2	1.0	9	< 0.7	9.7	1.0	< 30
CH006C	0.4	0.3	1.3	40	< 0.7	17.1	2.0	40
CH106A	0.6	0.3	2.1	53	< 0.7	13.5	1.9	30
CH106B	0.6	0.3	2.0	42	< 0.7	13.3	1.9	30
CH106D	0.2	0.2	0.7	17	< 0.7	10.8	1.3	< 30
CH007A	0.6	0.2	2.3	55	18.8	10.3	1.5	< 30
CH007B	< 0.1	0.2	< 0.1	12	< 0.7	13.8	1.2	< 30
CH008A	< 0.1	< 0.1	0.1	11	< 0.7	7.2	0.5	30
CH008B	0.7	0.3	2.1	66	< 0.7	16.2	2.0	< 30
CH009	0.7	0.3	2.4	59	< 0.7	16.9	2.1	< 30
CH009B	< 0.1	< 0.1	0.3	< 5	< 0.7	1.2	0.2	220
KAR1110	0.4	0.2	2.3	14	< 0.7	6.2	1.4	< 30

Quality Control																										
Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K		
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1		
Analysis Method	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2		
GXR-1 Meas	3.77	428	20	801	< 3	1480		< 2	14.3	8.1	< 30	3.0	1120	4.6		0.7	24.5	15.1	4.2		< 10		0.8	< 0.1		
GXR-1 Cert	3.52	427	15.0	750	1.22	1380		3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20		0.960		0.770	0.050		
GXR-4 Meas	6.97	108	< 10	1800	< 3	20	0.99	< 2		14.4	60	3.0	7390	2.7		2.0	3.03	21.9	6.3		< 10		0.2	4.1		
GXR-4 Cert	7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860		14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30		0.270	4.01		
NIST 696 Meas	> 25.0																									
NIST 696 Cert	28.9																									
MP-1b Meas		22000				858	2.55	571					27300				7.93						597			
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565			
OREAS 101a (Fusion) Meas									1270	48.7			429	32.5	19.7	8.7	11.2		42.6			7.0			2.3	
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4			6.46			2.34	
CH003_QTZ Orig	6.84	< 5	220	427	< 3	< 2	0.16	< 2	72.2	6.1	100	5.9	15	2.4	2.0	0.8	2.58	17.8	4.2	1.4	< 10	0.7	< 0.2	4.4		
CH003_QTZ Dup	7.06	< 5	210	411	< 3	< 2	0.12	< 2	66.8	6.2	100	5.6	15	2.0	1.8	0.8	2.54	16.7	3.8	2.0	< 10	0.6	< 0.2	4.4		
CH007B Orig	1.05	< 5	90	101	< 3	< 2	14.6	< 2	54.7	< 0.2	100	0.8	6	1.1	1.0	0.8	3.92	2.9	2.5	< 0.7	< 10	0.4	0.8	0.8		
CH007B Dup	1.04	< 5	100	85	< 3	< 2	14.7	< 2	59.4	0.9	110	1.2	8	2.6	1.6	1.5	3.94	3.3	4.8	< 0.7	< 10	0.7	1.0	0.8		
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 10	< 0.2	< 0.2	< 0.1	< 0.1	
Method Blank	< 0.01						< 0.01										< 0.05								< 0.1	

Quality Control																									
Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	
GXR-1 Meas	7.7	9	0.22	931	16	< 2.4		40	0.064	788			0.25	128	17.2		2.9	55.5	305	< 0.2	0.8	16	2.2		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800		41.0	0.0650	730			0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-4 Meas	77.2	13	1.69	167	341	10.9		40		56.1		164	1.80		6.1		7.3	5.6	215	0.6	0.4	< 6			
GXR-4 Cert	64.5	11.1	1.66	155	310	10.0		42.0		52.0		160	1.77		5.60		6.60	5.60	221	0.790	0.360	0.970			
NIST 696 Meas																									
NIST 696 Cert																									
MP-1b Meas					285					18900			13.6	50		16.5		14800							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
OREAS 101a (Fusion) Meas	802		1.19	944	21		412		0.128		142						45.4				5.3		37.6	0.41	
OREAS 101a (Fusion) Cert	816		1.23	964	21.9		403		0		134						48.8				5.92		36.6	0.395	
CH003_QTZ Orig	33.3	33	1.65	84	4	7.8	28.1	20	0.031	3.6	8.3	168	0.02	< 2	< 0.8	26.9	4.4	< 0.5	10	0.8	0.2	< 6	13.3	0.34	
CH003_QTZ Dup	31.9	32	1.64	78	4	9.4	27.0	20	0.033	4.0	7.6	159	0.03	3	< 0.8	30.5	3.9	< 0.5	8	0.7	< 0.1	< 6	12.3	0.35	
CH007B Orig	25.6	< 3	6.98	2090	< 1	< 2.4	23.9	< 10	0.007	< 0.8	5.0	31.7	0.05	< 2	< 0.8	13.7	2.0	< 0.5	72	< 0.2	< 0.1	< 6	2.8	0.05	
CH007B Dup	25.5	< 3	7.01	2100	< 1	< 2.4	24.8	< 10	0.005	< 0.8	5.2	32.0	0.05	< 2	< 0.8	13.7	5.0	< 0.5	74	< 0.2	0.2	< 6	2.9	0.05	
Method Blank	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.005	< 0.8	< 0.1	< 0.4	0.02	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1	< 0.01	
Method Blank			< 0.01						< 0.005				< 0.01			< 0.01								< 0.01	

Quality Control

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
GXR-1 Meas	0.4	0.4	36.2	86	191	29.7	2.4	840
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-4 Meas	3.9	0.2			32.7	15.7	1.5	80
GXR-4 Cert	3.20	0.210			30.8	14.0	1.60	73.0
NIST 696 Meas								
NIST 696 Cert								
MP-1b Meas					1090			151000
MP-1b Cert					1100.000			166700.00
OREAS 101a (Fusion) Meas		3.0	434	84		169	18.1	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
CH003_QTZ Orig	0.6	0.3	2.6	50	< 0.7	15.7	2.1	< 30
CH003_QTZ Dup	0.6	0.3	2.6	45	< 0.7	12.9	1.8	30
CH007B Orig	< 0.1	0.1	< 0.1	6	< 0.7	12.7	0.8	< 30
CH007B Dup	0.1	0.2	< 0.1	18	< 0.7	14.8	1.5	< 30
Method Blank	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank								