ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 5-OCT-2017
Account: SUPDIA

CERTIFICATE SD17187600

Project: TPK

This report is for 18 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 3-SEP-2017.

The following have access to data associated with this certificate:

NORTHERN SUPERIOR DATA ACCESS	MATT SOOLEY	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-21	Sample logging - ClientBarCode
SPL-22Y	Split Sample - Boyd Rotary Splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **NORTHERN SUPERIOR RESOURCES INC**
ATTN: MATT SOOLEY
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS SD17187600

Sample Description	Method	WEI-21	Au-AA23	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W130353		0.91	<0.005	0.17	7.08	43.5	800	2.28	0.24	1.31	0.07	83.3	5.6	21	3.06	11.6
W130354		0.35	<0.005	0.11	6.89	42.7	680	2.08	0.18	1.23	0.07	85.5	4.6	19	2.26	14.3
W130355		0.83	<0.005	0.10	6.80	18.2	800	1.72	0.13	1.37	0.04	88.9	5.2	16	2.21	5.4
W130356		0.84	0.036	0.10	6.81	65.9	880	1.39	0.13	1.81	0.08	78.1	4.5	13	1.26	7.9
W130357		1.14	<0.005	0.07	6.90	25.3	740	1.74	0.09	1.39	0.04	83.4	4.4	18	2.14	5.0
W130358		0.97	0.005	0.29	6.77	1475	730	1.77	0.11	1.09	0.09	82.3	4.9	15	0.75	9.1
W130359		0.97	<0.005	0.15	6.84	12.5	810	1.73	0.07	1.31	0.09	88.8	4.9	16	1.30	7.0
W130360		0.90	<0.005	0.10	6.88	10.6	860	1.44	0.06	1.21	0.05	91.9	4.1	16	0.68	12.6
W130361		0.55	0.005	0.10	6.95	24.5	760	1.57	0.08	1.66	0.06	73.5	6.9	36	3.43	9.4
W130362		0.68	0.044	0.06	6.89	39.9	710	1.73	0.10	1.57	0.05	71.8	6.1	28	3.14	11.0
W130363		1.20	0.006	0.05	6.93	26.2	700	1.75	0.09	1.60	0.05	70.7	7.3	29	3.57	6.6
W130364		1.21	<0.005	0.05	7.06	25.0	700	1.42	0.08	1.66	0.06	73.0	6.3	32	3.27	9.3
W130365		1.09	0.007	0.05	6.96	33.3	690	1.44	0.08	1.73	0.03	72.3	7.1	31	3.54	11.3
W130366		0.62	0.031	0.08	6.68	24.7	710	1.35	0.07	1.68	0.05	65.3	6.4	29	3.21	11.2
W130367		1.27	0.005	0.05	6.93	28.8	670	1.44	0.08	1.70	0.04	70.7	6.9	36	3.68	9.6
W130368		0.56	0.057	0.15	6.80	43.8	680	1.33	0.08	1.78	0.06	61.6	9.5	36	3.21	12.1
W130369		1.38	0.005	0.05	7.14	28.6	660	1.55	0.06	1.77	0.05	74.2	7.3	35	3.54	9.1
W130370		0.69	<0.005	0.04	6.83	14.5	690	1.40	0.06	1.64	0.04	72.1	6.3	26	3.11	8.9

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To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 5-OCT-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS SD17187600

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W130353		2.03	16.45	0.17	5.8	0.040	2.92	42.2	20.4	0.43	359	2.19	3.00	12.0	5.2	500
W130354		2.15	16.45	0.18	5.6	0.038	2.46	43.8	22.9	0.53	368	1.78	3.08	12.1	5.7	520
W130355		2.18	16.20	0.18	5.8	0.037	2.61	45.4	22.5	0.48	388	1.58	2.81	11.6	5.3	550
W130356		1.91	15.80	0.18	5.5	0.032	3.09	39.1	15.4	0.41	410	1.42	3.00	10.4	4.5	490
W130357		2.04	16.40	0.17	5.3	0.031	2.65	43.0	22.7	0.46	372	1.76	2.93	11.2	5.0	510
W130358		2.11	16.05	0.17	5.4	0.033	2.51	42.4	25.7	0.60	293	1.70	3.07	10.6	5.2	530
W130359		2.17	16.80	0.17	6.0	0.031	2.66	46.5	23.0	0.54	357	1.76	2.86	12.0	5.5	540
W130360		2.20	16.10	0.17	5.4	0.033	2.77	48.3	16.7	0.55	303	1.50	2.86	11.2	5.3	530
W130361		2.18	16.30	0.17	4.7	0.031	2.95	38.0	31.6	0.69	402	1.24	2.72	10.5	16.1	490
W130362		2.05	16.10	0.19	4.6	0.028	2.65	36.1	30.6	0.59	349	0.90	2.97	10.2	14.3	440
W130363		2.17	16.70	0.16	4.8	0.033	2.75	35.6	32.4	0.65	369	0.93	2.79	11.1	15.7	500
W130364		2.18	16.70	0.16	4.5	0.029	2.79	37.7	25.3	0.64	381	1.32	2.78	10.3	15.0	470
W130365		2.24	16.70	0.16	4.9	0.032	2.69	37.7	31.0	0.69	397	0.96	2.92	10.9	16.5	500
W130366		2.13	16.25	0.16	4.7	0.029	2.69	33.5	28.0	0.63	389	1.10	2.78	10.2	15.4	470
W130367		2.21	16.70	0.16	4.7	0.028	2.79	35.2	30.4	0.70	410	1.14	2.70	10.4	17.4	490
W130368		2.31	16.05	0.16	4.0	0.028	2.65	31.3	32.9	0.72	424	1.11	2.81	9.8	17.5	480
W130369		2.32	16.95	0.16	4.1	0.032	2.69	38.2	32.2	0.73	418	1.12	2.79	10.2	17.8	500
W130370		2.00	16.25	0.16	4.4	0.027	2.66	37.9	27.3	0.61	353	1.09	2.68	9.0	14.6	460

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To: **NORTHERN SUPERIOR RESOURCES INC**
1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 5-OCT-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS SD17187600

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
W130353		16.2	127.0	<0.002	0.13	0.64	5.9	1	2.3	171.0	1.17	<0.05	13.35	0.259	0.64	3.9
W130354		13.8	110.0	<0.002	0.12	0.52	6.9	1	2.6	160.0	1.19	<0.05	14.60	0.251	0.54	4.3
W130355		13.4	115.5	<0.002	0.02	0.52	6.5	1	2.3	183.0	0.94	<0.05	14.75	0.275	0.58	3.7
W130356		13.2	103.5	<0.002	0.04	0.50	5.9	1	2.0	174.5	0.79	<0.05	14.85	0.243	0.54	3.2
W130357		15.5	104.5	<0.002	0.03	0.45	6.1	1	2.3	174.0	0.99	<0.05	14.00	0.259	0.53	3.4
W130358		11.5	85.6	<0.002	0.23	0.95	6.3	1	2.3	127.0	1.09	<0.05	12.70	0.251	0.35	3.3
W130359		13.7	97.2	<0.002	0.02	0.27	6.7	1	2.1	172.5	1.09	<0.05	14.80	0.270	0.44	4.1
W130360		10.6	101.0	<0.002	0.01	0.29	6.7	1	2.2	155.5	1.01	<0.05	14.15	0.271	0.42	3.6
W130361		15.5	132.5	<0.002	0.01	0.40	6.8	1	2.2	190.5	1.15	<0.05	13.85	0.233	0.71	3.8
W130362		17.2	120.0	<0.002	0.12	0.40	6.1	1	2.0	182.0	1.14	<0.05	13.45	0.214	0.68	4.0
W130363		16.6	130.0	<0.002	0.01	0.35	6.8	1	2.3	193.0	1.11	<0.05	14.40	0.243	0.74	4.1
W130364		17.2	127.0	<0.002	0.04	0.29	6.0	<1	2.2	192.0	1.08	<0.05	13.30	0.240	0.76	3.6
W130365		16.3	126.5	<0.002	0.04	0.27	6.4	1	2.4	194.0	1.12	<0.05	14.05	0.262	0.79	3.9
W130366		15.9	117.0	<0.002	0.05	0.24	6.0	<1	2.1	185.0	0.93	<0.05	13.00	0.246	0.75	3.2
W130367		16.9	128.5	<0.002	0.01	0.23	6.7	<1	2.2	188.0	0.98	<0.05	13.40	0.244	0.80	3.6
W130368		15.3	120.0	<0.002	0.22	0.25	6.6	1	2.1	184.5	0.96	<0.05	13.40	0.249	0.80	3.3
W130369		16.0	124.5	<0.002	0.01	0.22	6.7	1	2.3	197.0	0.95	<0.05	13.30	0.254	0.78	3.2
W130370		16.3	118.5	<0.002	0.01	0.15	5.7	1	2.0	192.0	0.83	<0.05	12.45	0.226	0.75	3.2

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1351C KELLY LAKE ROAD
UNIT 7
SUDBURY ON P3E 5P5

Finalized Date: 5-OCT-2017
Account: SUPDIA

Project: TPK

CERTIFICATE OF ANALYSIS SD17187600

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
W130353		35	2.2	21.7	44	206	79.7	93.0
W130354		38	3.4	23.6	38	191.0		92.2
W130355		37	1.6	22.3	43	207		
W130356		33	1.6	20.2	34	196.0		
W130357		35	1.0	20.0	38	188.5		
W130358		36	3.0	19.7	20	191.5		
W130359		38	1.2	22.6	34	209		
W130360		38	1.5	21.2	27	194.0		
W130361		39	0.5	18.3	46	155.0		
W130362		35	1.0	17.8	45	152.0		
W130363		39	0.6	19.0	49	161.0		
W130364		38	0.5	17.4	46	153.0		
W130365		41	0.5	18.1	51	168.0		
W130366		39	0.6	16.4	48	168.0		
W130367		40	0.5	18.0	51	171.5		
W130368		41	2.6	16.8	53	142.0		
W130369		41	0.6	17.8	53	147.5		
W130370		36	0.5	15.7	47	161.0		

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CERTIFICATE OF ANALYSIS SD17187600

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-21	PUL-31
PUL-QC	SPL-22Y	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA23	ME-MS61