

COMP: MINNOVA INC.  
PROJ: CRANBROOK 674  
ATTN: COLIN BURGE

**MIN-EN LABS — ICP REPORT**  
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
(604)980-5814 OR (604)988-4524

822861 FILE NO: 2V-0822-RP2  
DATE: 92/10/01  
\* CORE \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
16676	.2	1	200	27	6	1	78	1
16677	.3	1	319	20	9	1	84	2
16678	.2	1	266	29	2	1	69	3
16679	.3	1	342	41	5	1	61	3
16680	.5	12	234	19	6	1	37	5

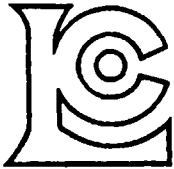
*Attn: Colin Oct. 2/92*

*Re-edited 2V-0822-RP2*









# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.  
VANCOUVER, BC  
V6B 1B8

A9221189

Comments: ATTN: COLIN BURGE

SEP 17 1992

CERTIFICATE

A9221189

MINNOVA INC.

Project: 674  
P.O. #: NONE

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 15-SEP-92.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	6	Geochem ring to approx 150 mesh
234	6	Splitting charge
238	6	Nitric-aqua-regia digestion

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2	6	Cu ppm: HNO3-aqua regia digest	AAS	1	10000
4	6	Pb ppm: HNO3-aqua regia digest	AAS-BKGD CORR	1	10000
5	6	Zn ppm: HNO3-aqua regia digest	AAS	1	10000
6	6	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	100.0



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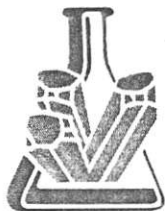
SEP 17 1992

Page Number :1  
Total Pages :1  
Certificate Date: 15-SEP-92  
Invoice No. :19221189  
P.O. Number :NONE  
Account :BBX

## CERTIFICATE OF ANALYSIS A9221189

SAMPLE	PREP CODE	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R						
16676	205 234	25	10	88	< 0.2						
16677	205 234	13	9	90	< 0.2						
16678	205 234	25	3	80	< 0.2						
16679	205 234	35	6	68	< 0.2						
16680	205 234	12	5	42	< 0.2						
40126	205 234	85	208	250	0.5						

CERTIFICATION: Hart Bickler

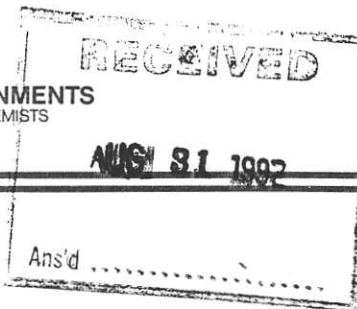


**MINERAL  
• ENVIRONMENTS  
LABORATORIES**  
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SPECIALISTS IN MINERAL ENVIRONMENTS  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

**VANCOUVER OFFICE:**  
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FAX (604) 980-9621

**SMITHERS LAB.:**  
3176 TATLOW ROAD  
SMITHERS, B.C. CANADA V0J 2N0  
TELEPHONE (604) 847-3004  
FAX (604) 847-3005



**Geochemical Analysis Certificate**

**2V-0822-RG1**

Company: **MINNOVA INC.**  
Project: **CRANBROOK 674**  
Attn: **COLIN BURGE**

Date: **AUG-27-92**

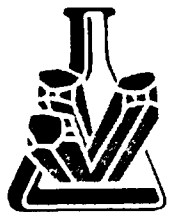
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of CORE samples submitted AUG-17-92 by C. BURGE.

Sample Number	BA-TOTAL PPM
40126	331
40127	489

Certified by \_\_\_\_\_

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FAX (604) 847-3005

**Geochemical Analysis Certificate**

**2V-0822-RG2**

Company: **MINNOVA INC.**  
Project: **CRANBROOK 674**  
Attn: **COLIN BURGE**

Date: **AUG-27-92**

Copy 1. MINNOVA INC., VANCOUVER, B.C.

*We hereby certify* the following Geochemical Analysis of 5 CORE samples  
submitted AUG-17-92 by C. BURGE.

Sample Number	B PPM	F PPM
16676	133	540
16677	100	480
16678	136	620
16679	74	390
16680	84	600

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**Geochemical Analysis Certificate**

**2V-0845-RG1**

Company: **MINNOVA INC.**  
Project: **CRANBROOK 674**  
Attn: **COLIN BURGE**

Date: **AUG-27-92**

Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 18 ROCK samples submitted AUG-20-92 by C. BURGE.

Sample Number	B PPM	F PPM
16681	106	590
16682	58	460
16683	77	490
16684	42	330
16685	87	450
16686	71	400
16687	62	470
16688	78	450
16689	81	530
16690	65	330
16691	90	530
CC-01	80	910
CC-02	97	690
HC-01	71	510
HC-02	62	630
RF-01	110	2380
RF-02	52	2040
RF-03	36	960

Certified by \_\_\_\_\_

**MIN-EN LABORATORIES**



COMP: MINNOVA INC.  
 PROJ: CRANBROOK 674  
 ATTN: COLIN BURGE

**MIN-EN LABS — WHOLE ROCK ANALYSIS**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: 2V-0845-RL1  
 DATE: 92/08/27  
 \* ROCK \* (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SiO2 %	SR %	TiO2 %	LOI %	S %
16681	16.55	.075	1.28	5.42	4.47	1.31	.07	1.55	.06	65.13	.005	.61	2.40	.08
16682	13.90	.070	1.63	4.51	2.78	1.11	.07	2.60	.06	70.08	.010	.54	1.60	.03
16683	14.78	.075	2.13	4.04	3.81	1.00	.08	2.18	.05	68.04	.005	.56	2.60	.03
16684	11.41	.025	3.47	3.24	1.60	.75	.16	2.57	.03	74.02	.005	.41	1.30	.01
16685	15.41	.130	.66	4.44	4.09	.99	.05	1.86	.06	68.83	.005	.60	1.90	.02
16686	15.02	.110	.91	5.00	3.97	1.05	.08	1.99	.07	68.91	.005	.56	1.50	.06
16687	14.76	.085	.43	4.79	3.89	1.14	.08	1.93	.07	70.51	.005	.58	.80	.16
16688	15.46	.100	1.11	4.55	4.33	1.13	.09	1.82	.06	67.80	.005	.61	1.90	.27
16689	16.66	.075	2.66	4.06	4.06	1.12	.16	1.99	.07	66.19	.005	.65	1.40	.25
16690	13.60	.075	2.07	4.08	3.96	.88	.11	1.01	.05	70.32	.005	.55	2.40	.65
16691	15.55	.095	.78	3.84	4.84	1.05	.09	.79	.07	69.79	.005	.65	1.40	.46
CC-01	14.12	.075	2.68	4.75	3.84	4.14	.08	1.21	.15	65.32	.005	.59	2.20	.51
CC-02	20.49	.120	.67	6.17	5.22	1.81	.09	1.96	.10	59.30	.010	.81	2.20	.25
HC-01	13.40	.070	1.66	3.58	2.53	1.33	.04	2.28	.05	71.85	.015	.52	2.00	.73
HC-02	13.63	.110	6.41	5.06	3.30	2.61	.28	1.73	.12	63.40	.020	.54	1.70	.07
RF-01	12.38	.105	13.93	2.78	3.56	6.87	.04	1.42	.09	54.50	.005	.37	3.00	.03
RF-02	8.66	.050	3.93	2.12	3.31	4.22	.05	.56	.07	73.24	.005	.35	2.80	.03
RF-03	8.58	.115	17.40	3.63	2.63	12.56	.21	.97	.14	48.05	.005	.33	4.50	.05

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Geochemical Analysis Certificate

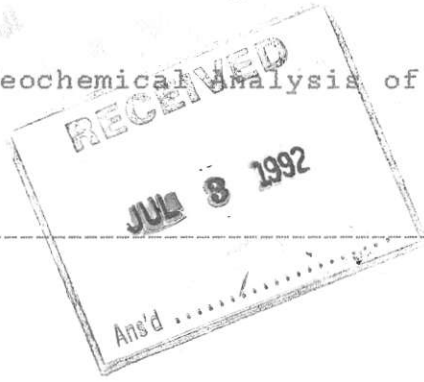
2V-0505-RG1

Company: **MINNOVA INC.**  
Project: **MT. MAHON-674**  
Attn: **T. BERGER/C. BURGE**

Date: **JUN-29-92**

Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 8 ROCK samples submitted JUN-12-92 by C. BURGE.



Sample Number	B PPM	F PPM
09379	61	570
09380	32	460
09381	29	420
09382	65	410
09383	93	250
09384	7	570
09385	2140	230
09386	1352	220

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**Geochemical Analysis Certificate**

OCT 13 1992

2V-1080-RG1

Company: **MINNOVA INC.**  
Project: **CRANBROOK/674**  
Attn: **COLIN BURGE**

Date: **OCT-09-92**

Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 3 ROCK samples submitted SEP-29-92 by C. BURGE.

Sample Number	B PPM	F PPM
16692	67	1340
16693	50	700
16694	18	720

Certified by \_\_\_\_\_

**MIN-EN LABORATORIES**



