

MIN-EN LABORATORIES

823597

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

Biere Property
82m/5w

Assay Certificate

9V-1260-RA1

Company: MINNOVA INC.
Project: BEIRE 245
Attn: I. PIRIE/D. HEBERLEIN

Date: OCT-13-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 11 ROCKS samples submitted OCT-03-89 by D.FELLER.

Sample Number	LOI %
BCD10948	3.70
BCD10949	4.10
BCD21946	4.80
BCD21947	3.65
BCD21948	5.90

BCD21949	6.30
BCD21950	5.60
BCD22617	6.50
BCD22618	6.45
BCD22619	6.00

BCD22620	6.70

RECEIVED
OCT 17 1989
Ans'd

Certified by *[Signature]*

MIN-EN LABORATORIES



**MINERAL
• ENVIRONMENTS
LABORATORIES**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9V-1162-RA1

Company: MINNOVA INC.
Project: BEIRE 245
Attn: I. PIRIE/D. HEBERLEIN

Date: OCT-02-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 16 ROCK samples submitted SEP-21-89 by D.FELLER.

Sample Number	LOI %
BCD10732	3.90
BCD10733	39.15
BCD10734	6.50
BCD10735	12.80
BCD10736	10.10
BCD10737	17.00
BCD10738	2.85
BCD10739	7.50
BCD10740	7.35
BCD10741	10.20
BCD10742	13.50
BCD10743	10.10
BCD10744	12.40
BCD10745	13.30
BCD10746	6.75
BCD10747	7.70

RECEIVED
OCT 4 1989
Ans'd

Certified by *[Signature]*

MIN-EN LABORATORIES



**MINERAL
• ENVIRONMENTAL
LABORATORIES**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

SEP 18 1989

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9V-1031-RA1

Company: MINNOVA INC.
Project: BIERE 245
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-13-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 13 ROCK samples
submitted AUG-31-89 by K.SEXSMITH.

Sample Number	LOI %
9SBIL200	5.60
9SBIL201	4.50
9SBIL202	8.00
9SBIL203	.65
9SBIL204	.85
9SBIL205	1.60
9SBIL206	1.80
9SBIL208	41.00
9SBIL210	11.20
9SBIL211	13.80
9SBIL212	10.80
9SBIL213	13.40
9SBIL214	10.50

Certified by

MIN-EN LABORATORIES



MIN-EN LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:

705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE: (604) 980-5811 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 FAX (604) 980-9621

TIMMINS OFFICE:

33 EAST IROQUOIS ROAD
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9995

SEP 11 1989

Assay Certificate

Ans'd 9V-D966-RA1

Company: MINNOVA INC.
Project: BIERRE 245
Attn: I. PIRIE

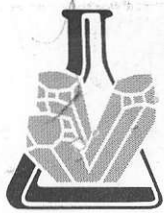
Date: AUG-23-89

We hereby certify the following Assay of 6 ROCK samples submitted MMM-DD-YY by .

Sample Number	LOI %
9SBIL137	4.00
9SBIL138	4.40
9SBIL140	3.85
9SBIL141	5.60
9SBIL142	1.20
9SBIL144	37.60

Certified by _____

MIN-EN LABORATORIES



Assay Certificate

9V-0893-RA1

Company: MINNOVA INC.
Project: BIERE 245
Attn: IAN PIRIE

Date: AUG-23-89
Copy 1. MINNOVA INC., BARRIERE, B.C.
2. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 30 ROCK samples
submitted AUG-23-89 by TIRO CLARKE.

Sample Number	LOI %
9TBIL150	3.90
9TBIL151	4.60
9TBIL152	3.45
9TBIL153	1.95
9TBIL154	3.20
9TBIL155	2.00
9TBIL156	4.30
9TBIL157	4.10
9TBIL158	3.90
9TBIL159	4.80
9TBIL160	9.20
9TBIL161	7.60
9TBIL162	5.70
9TBIL163	3.70
9TBIL164	3.50
9TBIL165	2.70
9TBIL166	3.15
9TBIL167	2.95
9TBIL168	2.75
9TBIL169	2.20
9TBIL170	2.45
9TBIL171	2.20
9TBIL172	5.10
9TBIL173	2.50
9TBIL174	2.15
9TBIL175	2.80
9TBIL176	2.70
9TBIL177	2.80
9TBIL178	4.30
9TBIL179	3.20

Certified by _____

MIN-EN LABORATORIES



Assay Certificate

9V-0893-RA2

Company: MINNOVA INC.
Project: BIERE 245
Attn: IAN PIRIE


Date: AUG-23-89

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

We hereby certify the following Assay of 30 ROCK samples
submitted AUG-23-89 by TIRO CLARKE.

Sample Number	LOI %
9TCML180	2.70
9TCML181	3.05
9TCML182	5.20
9TCML183	2.55
9TCML184	1.95
9TCML185	2.60
9TCML186	2.40
9TCML187	2.60
9TCML188	2.35
9TCML189	2.30
9TCML190	1.75
9TCML191	2.30
9TCML192	1.50
9TCML193	2.00
9TCML194	2.10
9TCML195	3.30
9TCML196	3.30
9TCML197	2.70
9TCML198	2.10
9TCML199	1.80
9TCML200	1.65
9TCML201	2.50
9TCML202	.75
9TCML203	2.10
9TCML204	2.50
9TCML205	2.80
9TCML206	2.80
9TCML207	2.05
9TCML208	1.90
9TCML209	1.85

Certified by _____


MIN-EN LABORATORIES



**MINERAL ENVIRONMENTS
LABORATORIES**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9V-0893-RA3

Company: MINNOVA INC.
Project: BIERE 245
Attn: IAN PIRIE

Date: AUG-23-89
Copy 1. MINNOVA INC., BARRIERE, B.C.
2. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 5 ROCK samples
submitted AUG-23-89 by TIRO CLARKE.

Sample Number	LOI %
9TCML210	1.65
9TCML211	1.80
9TCML212	1.60
9TCML213	2.10
9TCML214	4.40

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
 PROJ: BIERE 245
 ATTN: I.PIRIE/D.HEBERLEIN

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

FILE NO: 9V-0893-RJ1+2
 DATE: AUG-23-89
 * TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TBIL150	.1	8	114	40	26	1	51	10
9TBIL151	.1	5	69	14	14	1	73	5
9TBIL152	.3	3	120	23	65	1	60	5
9TBIL153	.2	1	72	38	17	1	42	5
9TBIL154	.3	1	119	8	6	1	36	5
9TBIL155	.1	5	129	3	1	1	14	10
9TBIL156	2.0	16	15	101	46	3	73	5
9TBIL157	1.0	3	8	56	40	1	59	5
9TBIL158	1.6	13	26	63	45	2	66	5
9TBIL159	2.2	11	46	91	42	1	80	5
9TBIL160	.5	1	41	36	39	1	88	5
9TBIL161	2.1	1	17	66	51	6	99	5
9TBIL162	2.4	1	39	90	47	2	100	5
9TBIL163	1.3	13	17	33	41	2	59	5
9TBIL164	1.9	19	15	76	44	2	63	5
9TCML165	2.0	8	7	43	33	1	69	5
9TCML166	1.3	7	15	5	20	1	26	5
9TCML167	1.0	12	17	5	20	1	32	5
9TCML168	2.3	7	8	29	28	1	49	5
9TCML169	2.3	9	12	51	23	1	50	5
9TCML170	2.9	9	17	65	26	1	42	5
9TCML171	3.2	8	25	52	25	1	50	5
9TCML172	2.1	1	8	62	44	1	66	5
9TCML173	1.9	3	18	40	37	1	56	5
9TCML174	1.8	9	13	56	32	1	48	5
9TCML175	2.4	7	7	59	34	1	56	5
9TCML176	.1	12	128	119	21	1	38	5
9TCML177	2.8	17	23	54	27	1	47	5
9TCML178	2.5	5	10	72	40	1	69	5
9TCML179	2.5	9	9	55	38	1	62	10
9TCML180	2.2	15	7	60	36	4	63	5
9TCML181	1.1	11	17	6	32	1	31	5
9TCML182	2.8	14	10	52	37	17	65	5
9TCML183	3.3	11	47	65	29	1	70	5
9TCML184	1.2	11	20	51	25	1	37	5
9TCML185	2.2	3	15	68	39	2	64	5
9TCML186	2.9	1	15	49	29	1	54	5
9TCML187	1.5	4	8	5	25	1	27	5
9TCML188	1.0	14	16	18	24	1	33	10
9TCML189	.5	24	6	6	23	1	25	5
9TCML190	2.0	12	9	24	21	1	42	5
9TCML191	1.1	6	25	57	21	1	30	5
9TCML192	.9	1	13	57	15	1	32	5
9TCML193	1.0	7	9	7	25	1	37	5
9TCML194	2.9	11	10	77	31	2	60	5
9TCML195	2.4	12	10	11	38	1	45	5
9TCML196	1.7	9	13	37	27	1	39	5
9TCML197	1.2	19	10	128	31	2	71	5
9TCML198	1.3	1	12	35	29	1	54	5
9TCML199	1.9	19	5	34	17	1	32	10
9TCML200	1.8	9	5	44	20	1	41	5
9TCML201	2.3	16	5	100	28	1	41	5
9TCML202	1.7	3	8	35	22	1	33	5
9TCML203	2.2	7	12	65	28	1	51	5
9TCML204	3.3	19	4	80	33	2	62	5
9TCML205	2.7	7	7	82	37	2	91	5
9TCML206	2.5	17	4	66	30	2	54	5
9TCML207	2.8	18	3	79	24	1	58	5
9TCML208	2.5	5	3	66	26	1	52	5
9TCML209	1.9	11	8	47	22	1	42	5

COMP: MINNOVA INC.
 PROJ: BIERE 245
 ATTN: I.PIRIE/D.HEBERLEIN

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

FILE NO: 9V-0893-RJ1+2
 DATE: AUG-23-89
 * TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TBIL150	.1	8	114	40	26	1	51	10
9TBIL151	.1	5	69	14	14	1	73	5
9TBIL152	.3	3	120	23	65	1	60	5
9TBIL153	.2	1	72	38	17	1	42	5
9TBIL154	.3	1	119	8	6	1	36	5
9TBIL155	.1	5	129	3	1	1	14	10
9TBIL156	2.0	16	15	101	46	3	73	5
9TBIL157	1.0	3	8	56	40	1	59	5
9TBIL158	1.6	13	26	63	45	2	66	5
9TBIL159	2.2	11	46	91	42	1	80	5
9TBIL160	.5	1	41	36	39	1	88	5
9TBIL161	2.1	1	17	66	51	6	99	5
9TBIL162	2.4	1	39	90	47	2	100	5
9TBIL163	1.3	13	17	33	41	2	59	5
9TBIL164	1.9	19	15	76	44	2	63	5
9TCML165	2.0	8	7	43	33	1	69	5
9TCML166	1.3	7	15	5	20	1	26	5
9TCML167	1.0	12	17	5	20	1	32	5
9TCML168	2.3	7	8	29	28	1	49	5
9TCML169	2.3	9	12	51	23	1	50	5
9TCML170	2.9	9	17	65	26	1	42	5
9TCML171	3.2	8	25	52	25	1	50	5
9TCML172	2.1	1	8	62	44	1	66	5
9TCML173	1.9	3	18	40	37	1	56	5
9TCML174	1.8	9	13	56	32	1	48	5
9TCML175	2.4	7	7	59	34	1	56	5
9TCML176	.1	12	128	119	21	1	38	5
9TCML177	2.8	17	23	54	27	1	47	5
9TCML178	2.5	5	10	72	40	1	69	5
9TCML179	2.5	9	9	55	38	1	62	10
9TCML180	2.2	15	7	60	36	4	63	5
9TCML181	1.1	11	17	6	32	1	31	5
9TCML182	2.8	14	10	52	37	17	65	5
9TCML183	3.3	11	47	65	29	1	70	5
9TCML184	1.2	11	20	51	25	1	37	5
9TCML185	2.2	3	15	68	39	2	64	5
9TCML186	2.9	1	15	49	29	1	54	5
9TCML187	1.5	4	8	5	25	1	27	5
9TCML188	1.0	14	16	18	24	1	33	10
9TCML189	.5	24	6	6	23	1	25	5
9TCML190	2.0	12	9	24	21	1	42	5
9TCML191	1.1	6	25	57	21	1	30	5
9TCML192	.9	1	13	57	15	1	32	5
9TCML193	1.0	7	9	7	25	1	37	5
9TCML194	2.9	11	10	77	31	2	60	5
9TCML195	2.4	12	10	11	38	1	45	5
9TCML196	1.7	9	13	37	27	1	39	5
9TCML197	1.2	19	10	128	31	2	71	5
9TCML198	1.3	1	12	35	29	1	54	5
9TCML199	1.9	19	5	34	17	1	32	10
9TCML200	1.8	9	5	44	20	1	41	5
9TCML201	2.3	16	5	100	28	1	41	5
9TCML202	1.7	3	8	35	22	1	33	5
9TCML203	2.2	7	12	65	28	1	51	5
9TCML204	3.3	19	4	80	33	2	62	5
9TCML205	2.7	7	7	82	37	2	91	5
9TCML206	2.5	17	4	66	30	2	54	5
9TCML207	2.8	18	3	79	24	1	58	5
9TCML208	2.5	5	3	66	26	1	52	5
9TCML209	1.9	11	8	47	22	1	42	5



MINERAL ENVIRONMENTS LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9V-0848-RA1

Company: MINNOVA INC.
Project: BIERE 245
Attn: I. PIRIE/D. HEBERLEIN

Date: AUG-17-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 19 ROCK samples submitted AUG-08-89 by KELLY SEXSMITH.

Sample Number	LOI %
9SBIL103	5.25
9SBIL104	10.00
9SBIL105	5.90
9SBIL106	5.70
9SBIL107	4.80

9SBIL108	7.70
9SBIL109	3.50
9SBIL110	17.20
9SBIL111	5.50
9SBIL112	4.00

9SBIL113	3.90
9SBIL114	9.40
9SBIL115	5.30
9SBIL116	4.70
9SBIL117	8.15

9SBIL118	.35
9SBIL119	39.40
9SBIL120	.45
9SBIL121	3.80

Certified by

MIN-EN LABORATORIES



**MIN-EN
LABORATORIES**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9V-0813-RA1

Company: MINNOVA INC.
Project: 245 BIERE
Attn: I. PIRIE/D. HEBERLEIN

Date: AUG-10-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 27 ROCK samples
submitted AUG-03-89 by KELLY SEXSMITH.

Sample Number	LOI %
9SBIL075	2.55
9SBIL076	.45
9SBIL077	4.80
9SBIL078	8.80
9SBIL079	6.60

9SBIL080	6.40
9SBIL081	6.25
9SBIL082	9.80
9SBIL083	7.20
9SBIL084	5.90

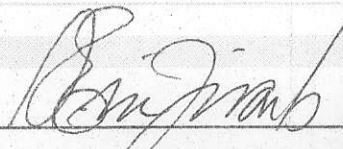
9SBIL085	5.60
9SBIL086	13.20
9SBIL087	1.55
9SBIL088	.25
9SBIL089	.65

9SBIL091	5.00
9SBIL092	4.30
9SBIL093	2.40
9SBIL094	10.10
9SBIL095	6.00

9SBIL096	.55
9SBIL097	.15
9SBIL098	.30
9SBIL099	5.00
9SBIL100	4.10

9SBIL101	9.30
9SBIL102	9.20

Certified by _____


MIN-EN LABORATORIES



**MIN-EN
LABORATORIES**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9V-0750-RA1

Company: MINNOVA INC.
Project: 245
Attn: I. PIRIE/D. HEBERLEIN

Date: JUL-28-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 14 ROCK samples
submitted JUL-25-89 by KELLY SEXSMITH.

Sample Number	LDI %
9SBIL034	41.80
9SBIL037	.25
9SBIL038	1.15
9SBIL039	.65
9SBIL040	.55
9SBIL041	.80
9SBIL042	2.60
9SBIL043	10.00
9SBIL044	7.25
9SBIL045	7.20
9SBIL046	6.30
9SBIL047	11.80

Certified by

MIN-EN LABORATORIES



MIN-EN LABORATORIES
 SPECIALISTS IN MINERAL ENVIRONMENTS
 CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
 705 WEST 15TH STREET
 NORTH VANCOUVER, B.C. CANADA V7M 1T2
 TELEPHONE (604) 980-5814 OR (604) 988-4524
 TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
 33 EAST IROQUOIS ROAD
 P.O. BOX 867
 TIMMINS, ONTARIO CANADA P4N 7G7
 TELEPHONE: (705) 264-9996

Assay Certificate

9V-0663-RA1

Company: MINNOVA INC.
 Project: BEIRE 245
 Attn: I. PIRIE/D. HEBERLEIN

Date: JUL-19-89

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

We hereby certify the following Assay of 7 ROCK samples submitted JUL-12-89 by D. FELLER.

Sample Number	LOI %
9TB6L048	9.40
9TB6L049	6.95
9TB6L050	6.70
9TB6L051	8.20
9TB6L052	2.45
9TB6L053	12.60
9TB6L054	38.80

Certified by

MIN-EN LABORATORIES