017070

ANVIL MINING CORP. LTD.

METALLURGICAL TEST REPORT

TEST No. 00037	SAMPLE OF: V. C. composite.
OBJECTIVE: Repeat of 00032	DATE April 22. 72.

REAGENTS:

NAME	AMOUNT grms.	AMOUNT lbs./ton	ADDITION POINT	pH Start	pH End	TIMES Cond.	TIMES Flot.	REMARKS
Na2 CO3		3.5	Grind					
MgCl2		0.15						
ZnSO4 NaCN		0.50		9.6		3	4½	
Z-11		0.0415	Pb R.			3	5	
Z-11		0.025	Pb Sc.	9.5				Very dirty Conc. little Pb plenty pyr.
			Zn. Cond.					
CaO		1.25						
CuSO4		0.75						
Z-11		0.075	Zn R.	10.5		2	5	plenty of pyr. ZnS is
Z-11		0.025	Zn Sc.				6	an ochre color. Unusual
			24 hr composite of 5-0-19			4	10.17.	
			Heads = 0.17 Cu / 1.1 Pb / 5.03 Zn.					
								85.8% - 200#

RESULTS:

PRODUCT	WEIGHTS grms.	WEIGHTS %	ASSAY % Pb	ASSAY % Zn	ASSAY % Fe	ASSAY % Cu	UNITS Pb	UNITS Zn	UNITS Fe	UNITS Cu	DISTRIBUTION % Pb	DISTRIBUTION % Zn	DISTRIBUTION % Fe	DISTRIBUTION % Cu
Pb R	1012.11	7.1	32.2	5.1	11.6	1.31	228	58	106	9.30	75.9	11.1	41.8	73.0
Pb Sc	121.3	13.1 / 6.0	24.14 / 7.0	2.6	11.2	0.79 / .15	320 / 42	58	2017	10.38 / 1.08	57.4 / 11.5	11.1	11.2	81.5 / 6.5
Zn R	206.9	10.3	1.5	37.6	12.6	.05	16	3811	183	0.62	4.4	65.6	8.3	4.9
Zn Sc	132.1	16.9 / 6.6	1.1	22.0 / 11.3	15.3	.06 / .05	7	372 / 28	253	.95 / 0.33	1.9	70.9 / 5.3	11.5	7.5 / 2.6
Zn Sc T	16/11/1	70.0	.33	.52	20.1	.02	23	36	1407	1.40	6.3	6.9	64.2	11.0
Heads	2016.8		3.7	5.2	22.0	.13	266	524	2196	12.73				

TESTED BY PR.

ANVIL MINING CORP. LTD.

METALLURGICAL TEST REPORT

TEST No. 00038 | SAMPLE OF: V. C. Comp.

OBJECTIVE: Flotation Reagents. STD Na_2SO_3 subs. 317 for Z-11. | DATE April 22. 72.

REAGENTS:

NAME	AMOUNT grms.	AMOUNT lbs./ton	ADDITION POINT	pH Start	pH End	TIMES Cond.	TIMES Flot.	REMARKS
Na_2S		0.5	Grind					
Na_2CO_3		3.5						
Na_2SO_3		2.5				32		
Z-200		0.05				3	35	
			Cu R	9.6			1	
			Cu Sc		9.5		4	
317		0.015	Pb R				4½	
317		0.025	Pb Sc				5	
			Zn. Cond	9.5				
CuO		1.25						
$CuSO_4$		0.75			10.9			
317		0.075	Zn. R.			2	5	
317		0.025	Zn. Sc.				6	
								91.3% -200#

RESULTS:

PRODUCT	WEIGHTS grms.	WEIGHTS %	ASSAY % Pb	ASSAY % Zn	ASSAY % Fe	ASSAY % Cu	UNITS Pb	UNITS Zn	UNITS Fe	UNITS Cu	DISTRIBUTION % Pb	DISTRIBUTION % Zn	DISTRIBUTION % Fe	DISTRIBUTION % Cu
Cu R	19.9	1.0	3.40	41.52	20.0	9.40	3	5	20	9.40	0.8	1.0	0.9	60.6
Cu Sc	29.9	2.05 1.5	5.5	6.3	16.1	41.74 1.63	8	10	24	11.55 2.415	2.2	2.0	1.1	76.44 15.8
Pb R	109.6	9.01	31.6	9.6	30.2	.12	297	90	284	1.22	81.5	17.6	13.1	7.9
Pb Sc	86.2	13.7 7.13	23.5 2.2	7.9	15.0	.06	322 141	34	120	.24	88.4 3.9	6.7	5.5	2.2
Zn R	154.7	9.2	1.61	35.3	16.1	.05	13	325	148	.46	3.6	63.5	6.8	3.0
Zn Sc	139.0	16.1 6.9	1.3	22.8 3.9	32.2	.04	9	367 27	260	0.28	2.5	71.8 5.3	12.0	1.8
Zn Sc T	136.1.8	67.7	0.28	0.29	19.4	.02	20	20	1313	1.35	5.5	3.9	60.6	8.7
Heads.	2013.6		3.6	5.1	21.7	.16	364	511	2169	15.50				

TESTED BY N.

ANVIL MINING CORP. LTD.

METALLURGICAL TEST REPORT

TEST No. 00039 | SAMPLE OF: V. C. comp.

OBJECTIVE: Repeat 00038 with 1.0 # NaCN | DATE April 12-72.

REAGENTS:

NAME	AMOUNT grms.	AMOUNT lbs./ton	ADDITION POINT	pH Start	pH End	TIMES Cond.	TIMES Flot.	REMARKS
			Gr. 2. C	9.6				
			Pb. Sc C.		9.6			
			Zn. 2.C.	10.7				
			Zn Sc C.					
		~~2 lbs~~						
#317		0.015						
								92.5 % - 200 #

RESULTS:

PRODUCT	WEIGHTS grms.	WEIGHTS %	ASSAY % Pb	ASSAY % Zn	ASSAY % Fe	ASSAY % Cu	UNITS Pb	UNITS Zn	UNITS Fe	UNITS Cu	DISTRIBUTION % Pb	DISTRIBUTION % Zn	DISTRIBUTION % Fe	DISTRIBUTION % Cu
Cu 2	25.5	1.2	3.5	5.1	20.5	7.94	5	7	27	10.32	1.41	1.4	1.2	67.8
Cu Sc	28.5	2.7 / 1.1	7.41	6.11	17.1	4.44 / 1.10	10	9	24	11.99 / 1.67	2.8	1.5	1.1	78.8 / 11.0
Pb 2	2606.1	10.3	28.4	1.6	20.5	.02	293	99	273	.93	80.11	19.5	12.2	6.1
Pb Sc	26.6	141.1 / 5.8	15.8 / 11.6	2.5	20.5	.02	223 / 15	30	154	.27	88.7 / 11.1	5.9	6.9	1.8
Zn 2	159.1	6.4	1.5	23.9	17.1	.24	16 / 101	319	161	.38	3.9	63.0	7.2	2.5
Zn Sc	106.2	141.7 / 5.3	1.7	24.3 / 21.1	~~24.3~~ 23.21	.25	9	357 / 22	177	.27	2.5	70.5 / 11.3	7.9	1.8
Zn Sc T	1374.7	68.5	0.26	0.30	~~25.3~~ 20.5	0.02	18	21	1412.5	1.37	1.9	4.1	62.5	9.0
Heads	2406.2		3.6	5.1	22.11	.15	361	507	2211	15.21				

TESTED BY JF