MET-SOLVE
LABORATORIES INC.

March 13, 2008

Pierre Quilliam
Silver Falcon Mining Inc.
7322 Manatee Ave. W., #299
Bradenton, FL
34209

Dear Mr. Quilliam,

Please find attached the summary and results of the metallurgical test work done on the samples delivered to us on January 16, 2008.

Please feel free to contact us if you have any questions.

Sincerely,

Danny Kwok, B.A.Sc
Metallurgist, Met-Solve Laboratories

Metallurgical Summary – Silver Falcon Mining Inc.

Prepared for:

Pierre Quilliam
Silver Falcon Mining Inc.
7322 Manatee Ave. W., #299
Bradenton, FL
34209

Prepared by:

Met-Solve Laboratories Inc.
8515 Eastlake Drive
Burnaby, BC V5A 4T7
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Project Number: MS1060

Danny Kwok, B.A.Sc
Metallurgist

Ish Grewal, M.A.Sc. P.Eng
President

March 13, 2008

NOTE:
This report refers to the samples as received

The practice of this Company is to require the recipient not to publish the report or any part thereof without the written consent of Met-Solve Laboratories Inc.

1. 0 BACKGROUND

Three samples from the Poorman Mine tailings, labeled as A, B, and C, were delivered to Met-Solve Laboratories on January 16, 2008. As identified by the client, sample 'A' was taken from "B" concentrate and sample 'B' was taken from "C" concentrate. No details were provided as to how samples A and B were generated.

Gold and silver assays were obtained for samples A and B, while an ICP was also performed on sample B for a general sweep of the existing elements.

Sample C was subjected to an XRD analysis, an assay by particle size class, and a gravity concentration test using the laboratory Falcon L40 unit.

2. 0 RESULTS

The head assays for the samples A & B are summarized in the following table. The ICP results for sample B can be found in the appendix.

Table 1. Head assays for samples A & B

Sample	Grade (g/t)	
	Au	Ag
A	499200	463800
B	44.6	3157

The results for all test work conducted on Sample C can be found in the appendices. The XRD report can be found in the PDF attachment "XRD Report"

APPENDICES

Gravity Concentration Summary

Particle Size-by-Size Analysis

ICP Report

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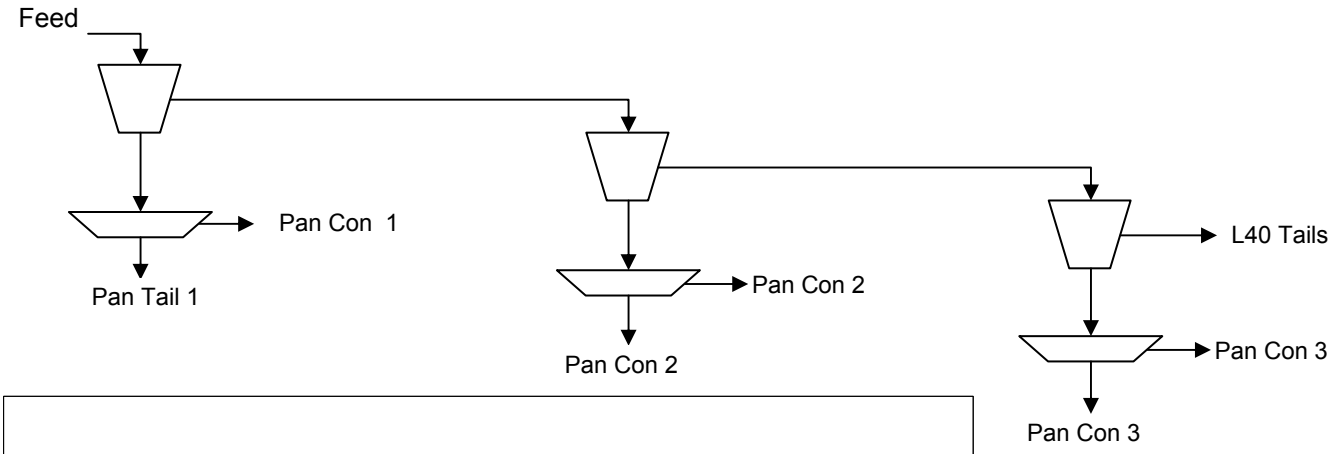
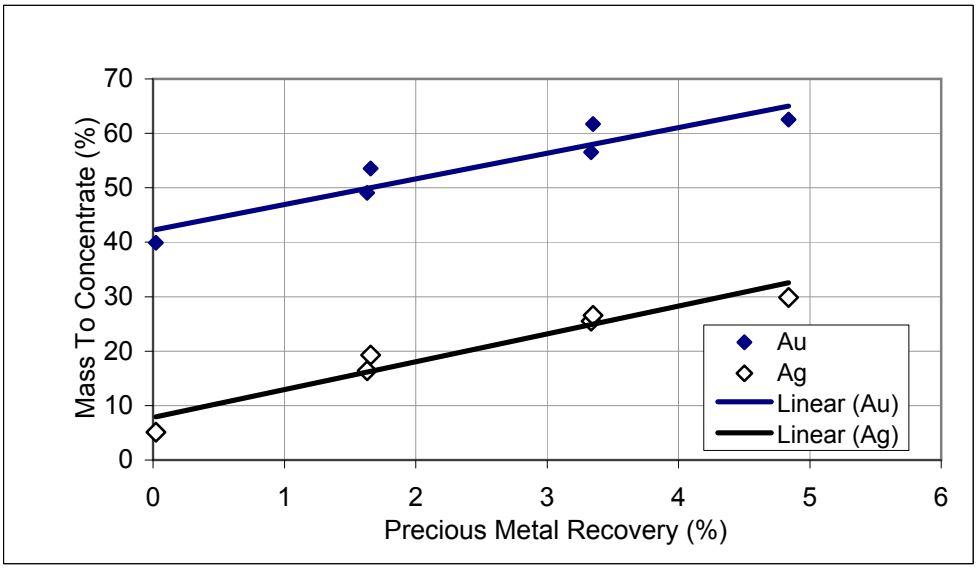
GRAVITY CONCENTRATION TEST REPORT

Client: Silver Falcon
Test: GD101
Sample: 5 minutes grind, Head Sample C

Date: 20-Jan-08
Project: MS1060

Products	Weight		Assay (g/t)		Distribution (%)	
	(g)	(%)	Au	Ag	Au	Ag
Pan Concentrate 1	1.25	0.02	2969	14950	39.9	5.1
Pan Tail 1	87.88	1.61	9.73	472.7	9.2	11.3
L40 Concentrate 1	**89.13**	**1.63**	**51.2**	**675.7**	**49.1**	**16.4**
Pan Concentrate 2	1.45	0.03	285.1	7366	4.4	2.9
Pan Tail 2	91.83	1.68	3.03	248.3	3.0	6.2
L40 Concentrate 2	**93.28**	**1.71**	**7.4**	**358.9**	**7.4**	**9.1**
Pan Concentrate 3	0.85	0.02	567	4607	5.2	1.1
Pan Tail 3	81.42	1.49	0.94	148.4	0.8	3.3
L40 Concentrate 3	**82.27**	**1.50**	**6.8**	**194.5**	**6.0**	**4.4**
Total L40 Concentrate	**264.68**	**4.84**	**22.0**	**414.5**	**62.5**	**29.9**
L40 Tails	5,205.32	95.16	0.67	49.5	37.5	70.1
Calculated Head	**5,470.00**	**100.00**	**1.7**	**67.2**	**100.0**	**100.0**
Assayed Head			3.3	94.5		





Test Conditions	
Pulp Density:	25%
Bowl:	1/32 holes
Fluid'n Pressure:	3 psi
G-Force:	150 g
Speed:	55.3 Hz

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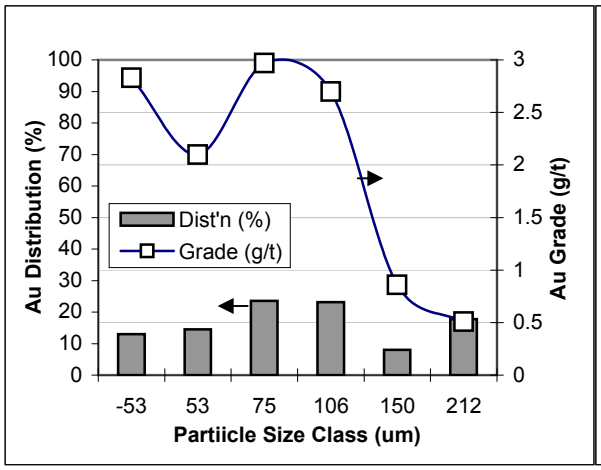
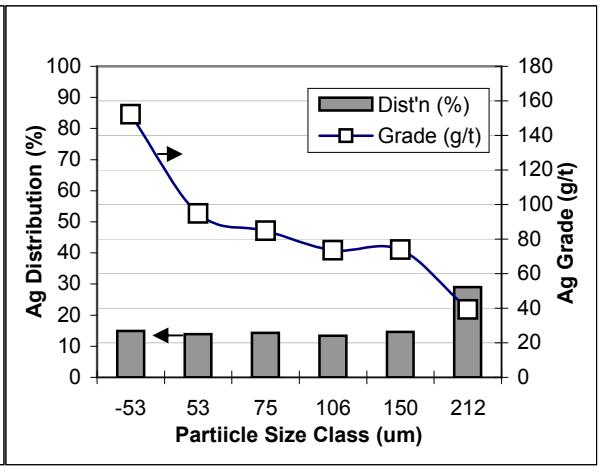
SIZE BY SIZE ASSAY

Client: Silver Falcon
Test: GD101
Sample: 5 minutes grind, Head Sample C

Date: 20-Jan-08
Project: MS1060

Sieve Size		Weight		Assay (g/t)		Dist'n (%)	
Tyler Mesh	Microns	(g)	(%)	Au	Ag	Au	Ag
70	212	101.9	48.20	0.51	39.3	17.7	29.0
100	150	27.3	12.91	0.86	73.9	8.0	14.6
140	106	25.1	11.87	2.7	73.5	23.1	13.3
200	75	23.3	11.02	2.97	84.8	23.6	14.3
270	53	20.3	9.60	2.1	94.8	14.5	13.9
-270	-53	13.5	6.39	2.83	152.3	13.0	14.9
	TOTAL:	211.4	100.0	1.4	65.4	100.0	100.0





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PARTICLE SIZE ANALYSIS

Client: Silver Falcon
Test: GD101
Sample: Gravity Tails

Date: 21-Feb-08
Project: MS1060

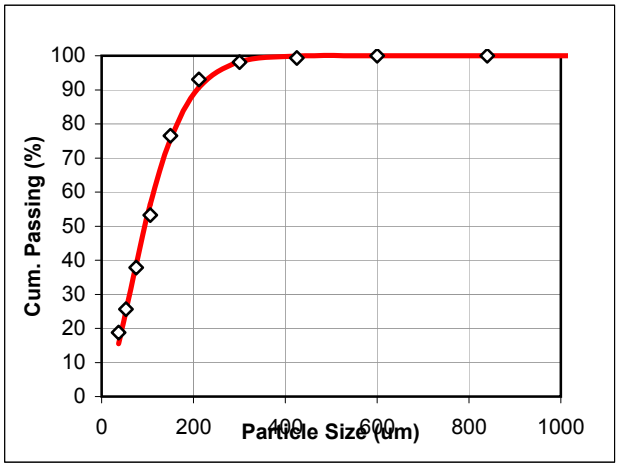
Sieve Size		Weight		Cummulative (%)	
Tyler Mesh	Microns	(g)	(%)	Retained	Passing
40	425	1.3	0.62	0.62	99.38
50	300	2.7	1.28	1.90	98.10
70	212	10.7	5.08	6.98	93.02
100	150	34.7	16.48	23.47	76.53
140	106	49.0	23.28	46.75	53.25
200	75	32.5	15.44	62.19	37.81
270	53	25.7	12.21	74.39	25.61
400	37	14.4	6.84	81.24	18.76
-400	-37	39.5	18.76	100.00	
	TOTAL:	210.5	100.0		

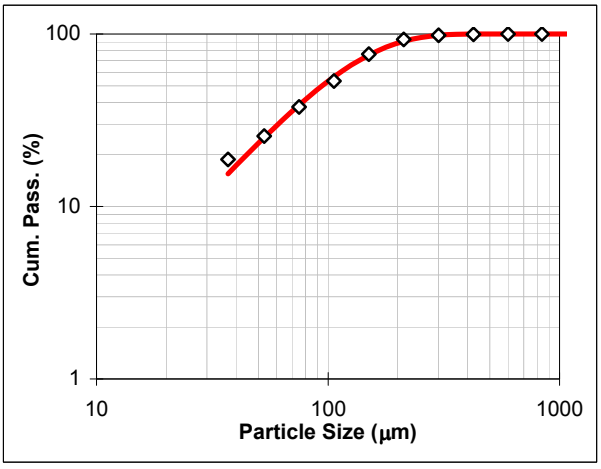
Rosin-Rammler Model

Size (um)	Passing P (%)
164	80
94	50

Linear Interpolation

Size (um)	Passing P (%)
163	80
99	50





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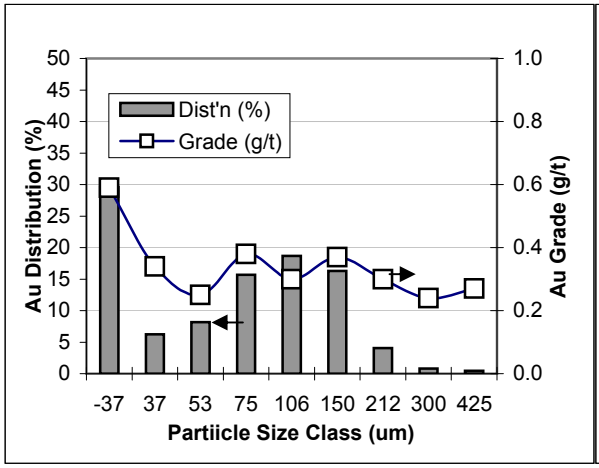
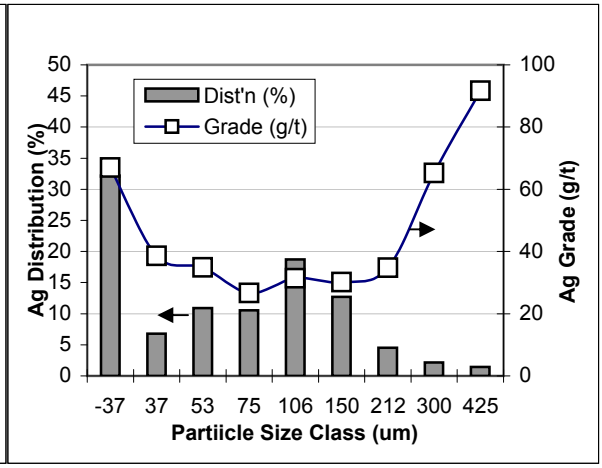
SIZE BY SIZE ASSAY

Client: Silver Falcon
Test: GD101
Sample: Gravity Tails (sub-sample taken for size-by-size assay)

Date: 20-Jan-08
Project: MS1060

Sieve Size		Weight		Assay (g/t)		Dist'n (%)	
Tyler Mesh	Microns	(g)	(%)	Au	Ag	Au	Ag
40	425	1.3	0.62	0.3	91.7	0.45	1.45
50	300	2.7	1.28	0.2	65.2	0.82	2.14
70	212	10.7	5.08	0.3	34.8	4.08	4.53
100	150	34.7	16.48	0.4	30.1	16.31	12.72
140	106	49.0	23.28	0.3	31.4	18.67	18.73
200	75	32.5	15.44	0.4	26.6	15.69	10.52
270	53	25.7	12.21	0.3	34.9	8.16	10.92
400	37	14.4	6.84	0.3	38.6	6.22	6.77
-400	-37	39.5	18.76	0.6	67.0	29.60	32.22
	TOTAL:	210.5	100.0	0.4	39.0	100.0	100.0





MET-SOLVE LABORATORIES INC.

ICP RESULTS

Client: Silver Falcon
Test: Head assays
Sample: Sample B & C, as received

Date: 20-Jan-08
Project: MS1060

Sample Name	Sample Number	ICP Ag ppm	ICP Al %	ICP As ppm	ICP Ba ppm	ICP Be ppm	ICP Bi ppm	ICP Ca %	ICP Cd ppm	ICP Co ppm
B	73229	>200.0	0.47	103	103	1.8	<5	1.77	4	9
C	73230	69	0.6	10	92	<0.5	<5	1.15	1	2

Sample Name	Sample Number	ICP Cr ppm	ICP Cu ppm	ICP Fe %	ICP Hg ppm	ICP K %	ICP La ppm	ICP Mg %	ICP Mn ppm	ICP Mo ppm
B	73229	226	1134	8.4	4100	0.09	115	0.06	2364	3
C	73230	94	626	0.75	8	0.13	13	0.14	529	<2

Sample Name	Sample Number	ICP Na %	ICP Ni ppm	ICP P ppm	ICP Pb ppm	ICP S %	ICP Sb ppm	ICP Sc ppm	ICP Sr ppm	ICP Th ppm
B	73229	0.03	38	2540	294	0.16	<5	<1	13	40
C	73230	0.01	30	281	408	0.01	7	<1	5	<5

Sample Name	Sample Number	ICP Ti %	ICP Tl ppm	ICP U ppm	ICP V ppm	ICP W ppm	ICP Zn ppm	ICP Zr ppm
B	73229	0.01	19	<10	25	14	427	5
C	73230	<0.01	<10	<10	3	<10	203	2

QUANTITATIVE PHASE ANALYSIS OF ONE POWDER SAMPLE USING THE RIETVELD METHOD AND X-RAY POWDER DIFFRACTION DATA.

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February 6, 2008

EXPERIMENTAL METHODS

The sample "73397 Idaho gold and silver sample" was reduced to the optimum grain-size range for quantitative X-ray analysis (<5 μm) by grinding under ethanol in a vibratory McCrone Micronising Mill for 7 minutes. Fine grain-size is an important factor in reducing micro-absorption contrast between phases.

Step-scan X-ray powder-diffraction data were collected over a range 3-80°2θ with CoKα radiation on a standard Siemens (Bruker) D5000 Bragg-Brentano diffractometer equipped with an Fe monochromator foil, 0.6 mm (0.3°) divergence slit, incident- and diffracted-beam Soller slits and a Vantec-1 strip detector. The long fine-focus Co X-ray tube was operated at 35 kV and 40 mA, using a take-off angle of 6°.

RESULTS

The X-ray diffractogram was analyzed using the International Centre for Diffraction Database PDF-4 using Search-Match software by Siemens (Bruker). X-ray powder-diffraction data were refined with Rietveld program Topas 3 (Bruker AXS). The results of quantitative phase analysis by Rietveld refinements are given in Table 1. These amounts represent the relative amounts of crystalline phases normalized to 100%. The Rietveld refinement plot is shown in Figure 1.

The pattern shows a hump between about 6 and 8º2θ that likely corresponds to minor amounts of either amourphous or nanoscale material (disordered clays?).

Table 1. Results of quantitative phase analysis (wt. %) – Met-Solve Lab. Inc.

Mineral	**Ideal formula**	**73397 Idaho gold & silver**
Quartz	SiO_2	51.0
Clinochlore	$(Mg,Fe^{2+})_5Al(Si_3Al)O_{10}(OH)_8$	1.5
Muscovite	$KAl_2AlSi_3O_{10}(OH)_2$	14.4
K-feldspar	$KAlSi_3O_8$	14.2
Plagioclase	$NaAlSi_3O_8 – CaAl_2Si_2O_8$	15.5
Calcite	$CaCO_3$	2.2
Cu, elemental	Cu	0.3
Al, elemental ?	Al	0.8
Total		100.0

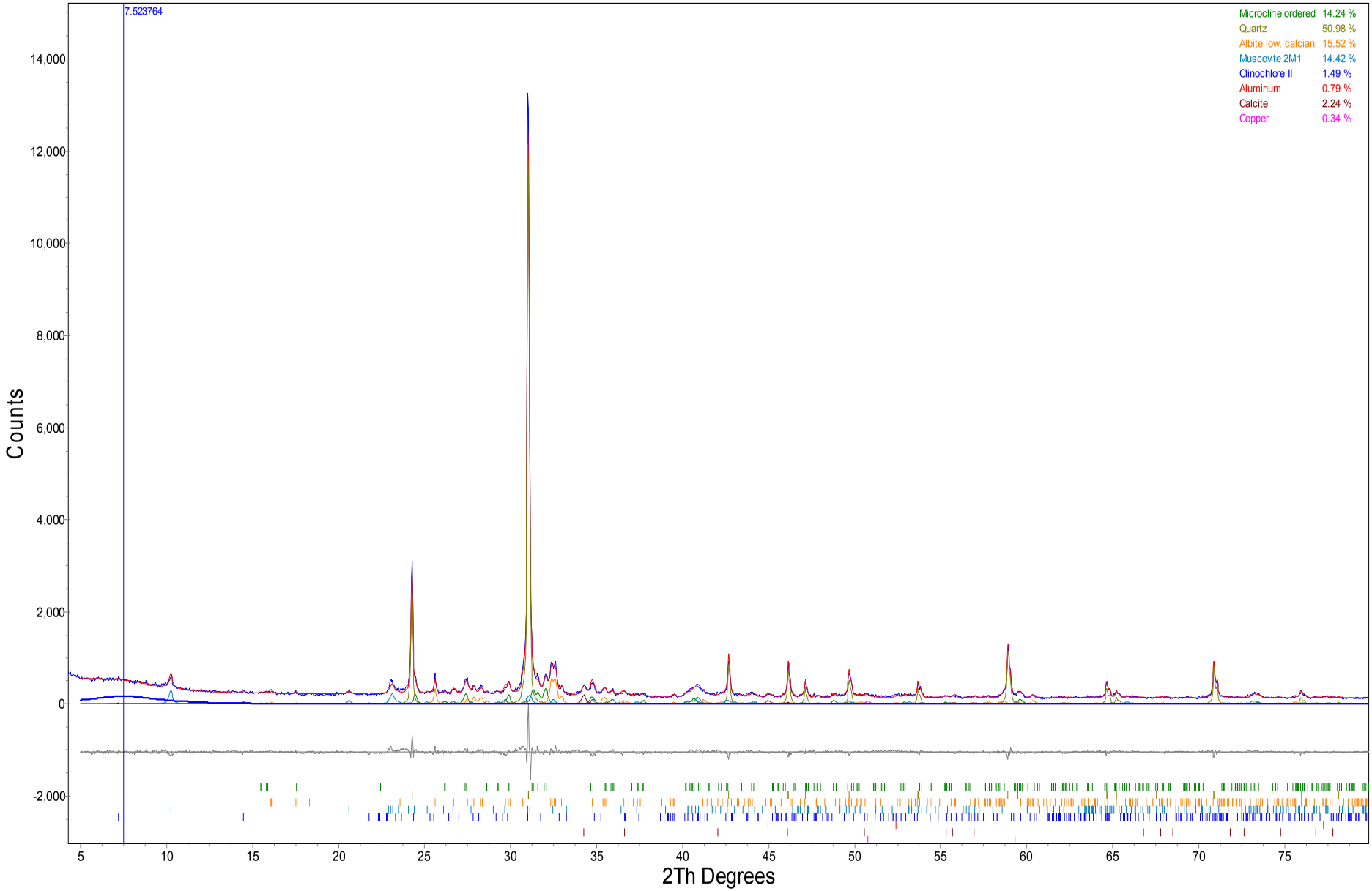

Figure 1. Rietveld refinement plot of sample **Met-Solve 73397 Idaho gold and silver sample** (blue line - observed intensity at each step; red line - calculated pattern; solid grey line below – difference between observed and calculated intensities; vertical bars, positions of all Bragg reflections). Coloured lines are individual diffraction patterns of all phases.