Electron Microprobe Data

Rruff ID: **R050209** Mineral: **Molybdenite**
Locality: Boss Mountain mine, Hendrix Lake, British Columbia, Canada

Weight Percents

Analysis	#1	#4	#5	#7	#8	#10	#11	#19	Average	StDev
Zn	0.16	0.21	0.15	0.21	0.13	0.12	0.18	0.20	0.17	0.04
S	38.48	38.17	37.96	38.03	38.46	38.35	38.01	38.05	38.19	0.21
Mo	60.41	60.85	60.96	60.92	60.62	60.84	60.76	61.38	60.84	0.28
Totals	99.05	99.23	99.07	99.16	99.21	99.31	98.95	99.63	99.20	0.21

Cation numbers normalized to 2 S									ACN	StDev	NCN*
Mo	1.05	1.07	1.07	1.07	1.05	1.06	1.07	1.08	1.06	0.01	1.00
Totals	1.05	1.07	1.07	1.07	1.05	1.06	1.07	1.08	1.06	0.01	1.00

Ideal Chemistry: MoS_2
Calculated Chemistry: MoS_2

Instrument: Cameca SX50
Sample Voltage: 15 kV
Acceleration Current: 20 nA
Beam Size: 20 microns
Date of Analysis: 10/20/2005

Xtal	El	Line	Pk(s)	Bkg(s)	Bkg(+)	Bkg(-)	Standards
TAP	Zn	La	20	10	600	-600	ZnS
TAP	Si	Ka	20	10	600	-600	kspar-OR1
PET	S	Ka	20	10	500	-500	chalcopy
PET	Mo	La	20	10	500	-100	wulfenite
LIF	Co	Ka	20	10	500	-300	codi
LIF	Fe	Ka	20	10	500	-500	chalcopy
LIF	Cu	Ka	20	10	500	-500	chalcopy

ACN: Average Number of Cations
NCN*: Normalized Cation Numbers =ACN*1.00/1.06
StDev: Standard Deviation