



OSMOSE

980 ELLICOTT STREET • BUFFALO, N. Y. 14209
(716) 882-5905 Telex 91328 Osmosewood Buf

D. Emery.
copy to Wm ✓

June 6, 1979

Mr. Dan Zeraldo
Market Analyst
Falconbridge Nickel Mines, Ltd.
P. O. Box 40
Commerce Court Postal Station
Toronto, Ont. M5L 1B4

Dear Dan:

I'm enclosing typical analysis sheets from two of our suppliers of arsenic trioxide.

We naturally prefer to work with the 99 + % material. The 98% material though satisfactory, does give us significantly increased quantities of sludge and the reaction rate is somewhat slower.

As I indicated on the phone, we have not established maximum metallic impurities content for arsenic trioxide. If your engineers find that they cannot operate within the limits of the 98% material, we'll have to undertake specific testing of your product.

One important factor relative to bulk handling and particle size is that we do not have particles smaller than five microns and preferably most of it larger than 10 microns.

I hope this helps.

Sincerely,

William P. O'Brien
Plant Manager

WPO/cc

Enc.

SPECIFICATIONS

PRODUCT: REFINED WHITE ARSENIC (ARSENIC TRIOXIDE)

+20	0.45 %	AS ₂ O ₃	99.31 %
+48	28.77 %	SB ₂ O ₃	.49 %
+65	9.67 %	SiO ₂	TRACES %
+100	7.07 %	FE ₂ O ₃	.005 %
+200	15.96 %	Pb	.003 %
+325	22.37 %	Cu	.0005 %
-325	15.71 %	Al ₂ O ₃	.0005 %

Whiteness 98

Guarantee AS₂O₃ of 99%

TYPICAL CHEMICAL ANALYSIS

As ₂ O ₃	98.0 PCT.
As ₂ O ₅	0.1 - 0.15 PCT
S (Oxidized in Various Sulphates)	0.2 - 1.0 PCT
S (Sulfides)	0.05 - 0.1 PCT
ZN	About 0.005 PCT
BI	0.1 - 0.25 PCT
PB	0.02 - 0.08 PCT
SB	0.10 - 0.30 PCT ✓
FE	0.02 - 0.09 PCT
CA and MG	About 0.02 PCT

TYPICAL SCREEN ANALYSIS

90/91 PCT passes through 150 mesh

6/7 PCT passes between 150 and 48 mesh

Balance of 2/3 PCT higher than 48 mesh but all lower than 2 MM.

Material varies in color from off-white to light grey.