

# ETL Enviro-Test

LABORATORIES

A DIVISION OF ETL CHEMSPEC ANALYTICAL LIMITED

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## CHEMICAL ANALYSIS REPORT

ROYAL OAK MINES INC  
PO BAG 3000  
YELLOWKNIFE NT X1A 2M2

DATE: February 11, 1997

ATTN: VIOLITA LAU-A

Lab Work Order #: E701040

Sampled By: CLIENT

Project Reference: NOT SUBMITTED

Date Received: 01/06/97

Project P.O.#: NOT SUBMITTED

Comments:

APPROVED BY:

  
Project Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY.  
ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU REQUIRE  
ADDITIONAL SAMPLE STORAGE TIME.

ACCREDITATIONS: STANDARDS COUNCIL OF CANADA (SCC), IN COOPERATION WITH THE CANADIAN ASSOCIATION FOR  
ENVIRONMENTAL ANALYTICAL LABORATORIES (CAEAL): FOR SPECIFIC TESTS AS REGISTERED BY THE  
COUNCIL (EDMONTON, CALGARY)  
AMERICAN INDUSTRIAL HYGIENE ASSOCIATION (AIHA): FOR INDUSTRIAL HYGIENE ANALYSIS (EDMONTON)  
AGRICULTURE CANADA: UNDER THE CANADIAN FERTILIZER QUALITY ASSURANCE PROGRAM (SASKATOON)

LAB SAMPLE #	SAMPLE I.D	RESULTS	AIR VOLUME	AIR CONC.
		Fibres/Filter	(L)	(fibres/cc)
E7-01-040-01A	5	ND	802	<0.012
E7-01-040-02A	6	ND	798	<0.013
E7-01-040-03A	7	ND	788	<0.013
E7-01-040-04A	8	ND	736	<0.014

Detection Limit: 10000 fibres/25mm filter

Method: NIOSH 7400, A rules, 4th ed. For results over 48000 fibres/25 mm filter, results reported are within 51-213% of reported value at 90% confidence. This range will increase with lower fibre loadings. NIOSH 7400, 4th. ed. recommends that due to high inaccuracies at lower values that the minimum level reported be increased to 39000 fibres/25 mm filter (78.5 fibres counted per 100 fields). Results in this report are reported to a minimum detection limit of 10000 fibres/25 mm filter (20 fibres per 100 fields) but these results should be used with caution.

Sample #5	Roaster Top Floor	Dec 30/96
Sample #6	Roaster Ctrd Flr Level	Dec 30/96
Sample #7	Cottrell Bottom Floor	Dec 31/96
Sample #8	Cottrell Top Floor	Dec 31/96