

MICHIGAN SUGAR COMPANY

David Noble
Vice President of Operations

Mr. Michael Herr, CHP
U. S. Nuclear Regulatory Commission - Region III
Materials Licensing Branch
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4352

May 3, 2011

Dear Mr. Herr:

Further to my letter dated May 2, 2011 concerning nuclear sources originally at our Carrollton plant located at 341 Sugar Street, Carrollton, MI 48724, I have attached the leak test certificates for the necessary sources prior to transfer. Sources were:

<u>Manufacturer</u>	<u>Serial Number</u>
Berthold	1445-6-86
Berthold	2100
Berthold	221
Berthold	444-3-87
Berthold	839-4-89
Berthold	841-4-86
Ohmart	72898
Berthold	1728

Sincerely,



MAY 03 2011

Vice President of Operations



CORPORATE OFFICES
2600 S. Euclid Avenue, Bay City, Michigan 48706
Telephone (989) 686-0161 - Direct Dial (989) 686-1549 ext. 297
Fax (989) 671-3714





MICROTEC SERVICES, INC.

110 Charles Street ♦ Pasadena, TX 77506
Tel (713) 475-2274 Fax (713) 475-2362

Leak Testing
Calibrations
Repair
New Instruments

***** Certificate of Leak Test *****

Customer: MICHIGAN SUGAR COMPANY
BAY CITY, MI

This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.

***** Source Information *****

Serial Number: 1445-6-86
Isotope: Cs-137
Activity: 1110 MBq.
Remarks: LOW RAW PAN
Manufacturer / Model: BERTHOLD
Date of Test: 30-Nov-07

***** Leak Test Analysis Data *****

Gross Counts: 195
Background: 195
Counting Efficiency: 53.1%
Contamination (DPM): 0
Removable Contamination: Less Than .0001 Microcuries
Less Than 5 Bq.

Date Analyzed: 11-Dec-07

Analyzed by: Q. Stokley

Comments:

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRGR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656



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***** Source Information *****

Serial Number: 2100
Isotope: Cs-137
Activity: 20 mCi.
Remarks: THICK JUICE
Manufacturer / Model: BERTHOLD
Date of Test: 30-Nov-07

***** Leak Test Analysis Data *****

Gross Counts: 216
Background: 216
Counting Efficiency: 53.1%
Contamination (DPM): 0
Removable Contamination: Less Than .0001 Microcuries
Less Than 5 Bq.

Date Analyzed: 11-Dec-07
Analyzed by: Q. Stokley

Comments:

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***** Source Information *****

Serial Number: 221
Isotope: Cs-137
Activity: 50 mCi.
Remarks: LIME KILN POINT LEVEL
Manufacturer / Model: BERTHOLD
Date of Test: 30-Nov-07

***** Leak Test Analysis Data *****

Gross Counts: 186
Background: 186
Counting Efficiency: 53.1%
Contamination (DPM): 0
Removable Contamination: Less Than .0001 Microcuries
Less Than 5 Bq.

Date Analyzed: 11-Dec-07

Analyzed by: Q. Stokley

Comments:

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***** Source Information *****

Serial Number: 444-3-87
Isotope: Cs-137
Activity: 1110 MBq.
Remarks: WHITE PAN
Manufacturer / Model: BERTHOLD
Date of Test: 30-Nov-07

***** Leak Test Analysis Data *****

Gross Counts: 212
Background: 212
Counting Efficiency: 53.1%
Contamination (DPM): 0
Removable Contamination: Less Than .0001 Microcuries
Less Than 5 Bq.

Date Analyzed: 11-Dec-07

Analyzed by: Q. Stokley

Comments:

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***** Source Information *****

Serial Number: 839-4-89
Isotope: Cs-137
Activity: 1110 MBq.
Remarks: B PAN
Manufacturer / Model: BERTHOLD
Date of Test: 30-Nov-07

***** Leak Test Analysis Data *****

Gross Counts: 212
Background: 212
Counting Efficiency: 53.1%
Contamination (DPM): 0
Removable Contamination: Less Than .0001 Microcuries
Less Than 5 Bq.

Date Analyzed: 11-Dec-07

Analyzed by: Q. Stokley

Comments:

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***** Source Information *****

Serial Number: 841-4-86
Isotope: Cs-137
Activity: 1110 MBq.
Remarks: HIGH RAW PAN
Manufacturer / Model: BERTHOLD
Date of Test: 30-Nov-07

***** Leak Test Analysis Data *****

Gross Counts: 226
Background: 226
Counting Efficiency: 53.1%
Contamination (DPM): 0
Removable Contamination: Less Than .0001 Microcuries
Less Than 5 Bq.

Date Analyzed: 11-Dec-07

Analyzed by: Q. Stokley

Comments:

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***** Source Information *****

Serial Number: 72898
Isotope: Cs-137
Activity: 100 mCi.
Remarks: STORAGE
Manufacturer / Model: OHMART
Date of Test: 30-Nov-07

***** Leak Test Analysis Data *****

Gross Counts: 215
Background: 215
Counting Efficiency: 53.1%
Contamination (DPM): 0
Removable Contamination: Less Than .0001 Microcuries
Less Than 5 Bq.

Date Analyzed: 11-Dec-07

Analyzed by: Q. Stokley

Comments:

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***** Source Information *****

Serial Number: 1728
Isotope: Cs-137
Activity: 30 mCi.
Remarks: SLACKER
Manufacturer / Model: BERTHOLD
Date of Test: 30-Nov-07

***** Leak Test Analysis Data *****

Gross Counts: 178
Background: 178
Counting Efficiency: 53.1%
Contamination (DPM): 0
Removable Contamination: Less Than .0001 Microcuries
Less Than 5 Bq.

Date Analyzed: 11-Dec-07

Analyzed by: Q. Stokley

Comments:

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