



**Eckert & Ziegler**

Isotope Products

24937 Avenue Tibbitts  
Valencia, California 91355

Tel 661•309•1010

Fax 661•257•8303

## NOMINAL LIQUID SOURCE DATA SHEET

**Customer:** ECKERT & ZIEGLER ISOTOPE PRODUCTS

**Date:** 25-Nov-08

**P.O. Number:** 36626

**Catalog No.:** 6252

**Quantity:** 1

Source No.	Nuclide	Activity	Spec. Act.	Ref. Date	Conc.
1318-84-1	Cf-252	0.23 $\mu$ Ci 8.5 kBq	536 Ci/g	1 Jan 09	0.23 $\mu$ Ci/mL 8.5 kBq/mL

**Volume:** 1 mL

**Chemical Form:** Cf(NO<sub>3</sub>)<sub>3</sub> in 0.1M HNO<sub>3</sub>

**Radionuclidic Purity:** See Technical Data Sheet

**Carrier:** 10 $\mu$ g Dy/mL

**Leak Test Information is on the reverse side.**

**Impurities:** See Technical Data Sheet

**Remarks:** This source has a working life of 5 years.

**Precaution:** This container must not be opened until adequate health and safety measures are taken (such as placed in a hood, glove box, cell) to protect the user from excessive exposure to the body as a result of radiation and/or contamination. This material has not been sterilized or tested for pyrogenicity. For laboratory or manufacturing use only.

**Lab Book-Page:** 1318-84

24 Nov 08   
Date, Signature

ISO 9001 CERTIFIED

Medical Imaging Laboratory

24937 Avenue Tibbitts Valencia, California 91355

Industrial Gauging Laboratory

1800 North Keystone Street Burbank, California 91504



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## Cf-252 Technical data

The Cf-252 used to prepare your order was taken from  
Eckert & Ziegler Isotope Products Laboratories Lot #3630701  
and it had the following composition as of 21Apr 08.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	9.171	0.1011
Cf-250	18.324	5.3727
Cf-251	7.088	0.0303
Cf-252	65.418	94.4959

The Cm-248 decay product was last separated on 17 May 05

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler  
Isotope Products Technical Service: 661-309-1010

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