

Memorandum

Date: July 25, 1997
To: R. L. Cline
cc: L. C. Adaline, J. R. Brewster, L. A. Headrick(RC), M. D. Ingram, P. C. Jones
From: B. J. Owens, 9204-2, MS-8132, 4-2460 *BJO Owens*
Subject: Lithium-7 Metal - (Y-12 WR 1433)

Two cans of lithium-7 metal (1,002 grams lithium wt.) are ready for shipment to:

Fermi National Accelerator Lab.
 Kirk and Wilson Rd., Site 38
 Receiving Warehouse 2
 Batavia, Illinois 60510
 Attn: Mark Reichenadter
 Process # 738047AM2K

The results of analytical tests may be seen on page 2.

Please charge all costs to B3309200.

	<u>Can 1</u>	<u>Can 2</u>	<u>Total</u>
Gross wt. grams	2,650	2,570	5,220
Tare wt. grams	2,140	2,078	4,218
Net wt. grams	510	492	1,002

BJO:kld

Lithium-7 Metal

Laboratory Req. No.	212625*
Isotopic Analysis	
Atom % Lithium-7	> 99.0
Wt. % Lithium-7	> 99.0
Chemical Analysis	
g/g Li (by difference)	.8824
ppm Ca (Metal basis)	24
ppm K (m.b.)	73
ppm Na (m.b.)	54

*This sample was taken from the surface of the lithium metal. The laboratory equipment standard limited the isotopic assay accuracy range to a maximum of 99%.