

~~RESTRICTED~~

Metallurgical Laboratory

MLRF

January 26, 1944

NT, 23

H. A. Potratz

J. Chipman

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TO: NOT CLASSIFIED
JUL 18 1969 *EN Pettitt*
Authority of: USAEC
AUG 28 1969 *J Nelson*

NT, 23-4

Herewith I am sending you a piece of Tube #37 Be-Al alloy. This tube was cast by the U. S. Pipe and Foundry Company in the course of their experimental development of beryllium tubing and it is of interest for the reason that the metal has been melted and cast five times. It should, therefore, indicate the pick-up of impurities in the casting process. The original metal was supplied by the Brush Beryllium Company and samples which are typical of this metal have already been sent to you.

We would like to have this tube analyzed for aluminum, silicon, magnesium and iron. The nominal aluminum content is 3%. I suggest also a qualitative spectrographic analysis to see if any other elements have been picked up.

TECHNICAL DIVISION

J. Chipman, Assoc. Director.

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JC:MP

cc A. B. Greninger
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P. S. This program carries a low priority and we are in no hurry for the results.

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