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med History  
Box 132  
#25  
HENDERSON 1064

**THE BRUSH BERYLLIUM COMPANY**  
3714 CHESTER AVENUE  
CLEVELAND 14, OHIO

MI.07-1

CABLE ADDRESS  
BRUSH CLEVELAND

August 20, 1946

Dr. Oliver Simpson  
Metallurgical Laboratory  
P. O. Box 5207  
Chicago 80, Illinois

CLASSIFICATION CANCELLED OR  
CHANGED TO U  
BY AUTHORITY OF DOC 9/1/71  
BY S. Jones DATE 7/23/86

Dear Dr. Simpson:

Since your telephone call of a week ago regarding a possible 5000 pound order for regular rotary fired SP beryllium oxide for AC Spark Plug Company, Flint, Michigan, we have been busy reviewing our production schedules and have now established the following schedule on SP beryllium oxide production:

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We plan to commence production of SP beryllium oxide for your account beginning on September 16 and expect to accumulate the 5000 pounds required by you within thirty days; that is, by October 15. Presumably the only specification on this material will be that of vitamin content and we could send you a sample of each lot as produced for analysis of this element. After you have approved 5000 pounds in total, we will then blend the whole lot to the best of our ability.

The price for our regular fired SP beryllium oxide in quantity is \$3.40 per pound. However, the sampling and blending, especially the latter, is expected to be quite an operation, and while exact figures have not yet been determined, may run the cost per pound up somewhere between \$.10 and \$.15.

At the time of our conversation you expressed interest in the nominal comparative analysis between the SP grade and GC grade of beryllium oxide. These nominal analyses follow:

STANDARD SP BERYLLIUM OXIDE (Technical grade - Calcined at 1200-1250°C.)

(Analysis on ignited basis. Loss on ignition including moisture does not exceed 0.1%)

BeO	99.5% Min.
Fe2O3	.05% Max.
Al2O3	.15% Max.
PbO	.10% Max.
Insolubles in fuming H2SO4	.20% Max.

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GC BERYLLIUM OXIDE (Fluorescent grade - Calcined at  
1150°-1200°C.)

(Analysis on ignited basis. Loss on ignition including  
moisture does not exceed 0.1%)

BeO	99.85%	Min.
Fe <sub>2</sub> O <sub>3</sub>	.008%	Max.
Al <sub>2</sub> O <sub>3</sub>	.03%	Max.
Insolubles in fuming H <sub>2</sub> SO <sub>4</sub>	.05%	Max.

Please understand, however, that we normally do not  
analyze the SP grade of beryllium oxide except in special  
instances and that such analyses are not included in the selling  
price quoted above.

As is obvious from the above delivery schedule, it  
requires considerable time and effort to start the wheels rolling  
and we hope that we will have the pleasure of your formal order  
shortly.

We are eager to cooperate with you in every way possible  
and await further word from you with interest.

Sincerely yours,

N. W. Bass  
Sales Manager

NWB:MG

CC Mr. R. E. Morfie, Manhattan District

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RECEIVED  
AUG 22 1946  
U.S. BUREAU OF CHEMISTRY  
WASHINGTON, D.C.