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JOHNS-MANVILLE RESEARCH AND ENGINEERING CENTER

Report No. 431-T-240

Date April 15, 1970

Title: SUPEREX, THERMOBESTOS, CA INSULATING FIRECRETE, 3X FIRECRETE, AND STANDARD FIRECRETE - Chloride, Sulfur and Boron Contents

Requested by: S. E. Wooley

PLAINTIFF'S EXHIBIT K-1532

SUMMARY

SUPEREX, THERMOBESTOS and three hydraulic setting refractories from stock in Research laboratory were analyzed for chloride, sulfur and boron. This analysis is needed to provide basic data required by industrial furnace builders.

The results are as follows:

	Boron (as B)	Chloride (as Cl^-)	Sulfur (as SO_3)
SUPEREX	80 ppm	58 ppm	320 ppm
THERMOBESTOS	21 ppm	328 ppm	2140 ppm
CA Insulation FIRECRETE	3 ppm	*	100 ppm
3X FIRECRETE	4 ppm	*	110 ppm
Standard FIRECRETE	18 ppm	58 ppm	450 ppm

* Less than 20 ppm by weight.

Contents: Summary, Materials Submitted and Methods of Analysis.

F. L. PUNDBACK
APR 16 1970

Reported by R. H. Staton
R. H. Staton
Analytical Chemistry Section

Spectrographic Analysis by A. J. Sutherland
A. J. Sutherland
Analytical Chemistry Section

lb

Distribution on reverse side.

DEFENDANT'S EXHIBIT OI-103

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Notebook No. 3925, pp. 130-131; 3930, p. 132

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