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Report 411-329
Problem 51-457
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Johns-Manville Research Center
Manville, New Jersey

TENTATIVE SPECIFICATION FOR AFRICAN OR AUSTRALIAN CROCIDOLITE
BLUE ASBESTOS FIBER USED IN STANDARD STYLE 84-S COMPRESSED ASBESTOS SHEET PACKING

-1-
-SUMMARY-

The specification proposed in this report represents blue asbestos fiber which has been successfully used in the manufacture of Style 84-S sheet packing at Waukegan Factory (U. D. Torrance's letter of May 27, 1948, to R. T. Halstead).

This specification was based on two of the three shipments of Australian blue asbestos fiber prepared by the Asbestos Corporation of America at Garwood, New Jersey, and used at Waukegan in the manufacture of Style 84-S compressed asbestos sheet packing.

The proposed specification will also cover the Q and M No. 3 African blue fiber prepared in the Research Laboratory and recently shipped to Waukegan for Style 84-S sheet packing.

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This report consists of Summary (1), Test Results (2), and Proposed Specification (3).

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-2-
-TEST RESULTS-

MATERIALS TESTED:

1. Australian blue asbestos fiber prepared by the Asbestos Corporation of America and shipped to Waukegan on February 19, 1948.
2. Australian blue asbestos fiber prepared by the Asbestos Corporation of America and shipped to Waukegan on April 23, 1948.
3. Q and M No. 3 Cape blue asbestos fiber prepared at Research and shipped to Waukegan on May 17, 1948.

RESULTS OF TESTS:

	<u>Wet Screen Test</u>			
	<u>Per Cent</u> <u>+ 14 M</u>	<u>Per Cent</u> <u>+ 28 M</u>	<u>Per Cent</u> <u>+ 100 M</u>	<u>Per Cent</u> <u>+ 200 M</u>
Australian blue fiber (Feb. 19)	38	2.8	6.4	6.0
Australian blue fiber (April 23)	39.8	3.0	5.5	4.5
Q and M No. 3 Cape blue asbestos fiber	48.1	6.5	8.6	2.2

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-3-
-PROPOSED SPECIFICATION-

PROPOSED TENTATIVE SPECIFICATION

Material

This specification defines the physical properties of crocidolite (blue) asbestos fiber from Australia and Africa for use in the manufacture of Style 84-S compressed asbestos sheet packing.

Sampling

- (a) A representative sample of each shipment shall be sent to the Research Laboratory for test and approval before release from the Asbestos Corporation of America.

Standard Wet Screen Test

- (a) The fiber shall conform to the following screen analysis $\pm 10\%$:

Per Cent <u>+ 14 M</u>	Per Cent <u>+ 28 M</u>	Per Cent <u>+ 100 M</u>	Per Cent <u>+ 200 M</u>	Per Cent <u>- 200 M</u>
30-50	0-13	0-16	0-16	36-56

- (b) Rock and Crudy fiber on the + 14 M screen shall not exceed 2 per cent.