

UNITED STATES DEPARTMENT OF COMMERCE  
WASHINGTON

# National Bureau of Standards

## REPORT

RSC:EMH  
VII-5/7530-3534  
March 25, 1947

on  
TESTS OF WOOD BLOCKS  
submitted by  
WAR DEPARTMENT  
Hamill D. Jones, Major  
Signal Corps  
Executive Officer, ASA

Reference: Letter dated March 20, 1947

Samples of wood submitted by referenced letter were dried to equilibrium at 105° C. The moisture content expressed as a percentage of the original weight was found to be as follows:

<u>Sample</u>	<u>Moisture Content, %</u>
Solid wood	9.2
5 - ply	7.1
8 - ply	8.9

42  
98  
3.7847  
1.5  
2.28  
Moisture -

For the Director  
By

*P. L. Wormekey*

P. L. Wormekey  
Chief, Testing & Specifications Section  
Organic and Fibrous Materials Division

file  
1049  
5.476  
2290

2.6 2.  
7.5  
3.0  
1.04 378  
2.6  
3.64  
60  
2280  
46  
2268  
90  
60  
5000

25 MAR 47

INTER-OFFICE ROUTING 269  
 AND/OR CARRIER SHEET HQ A

80-670260-10

396

MUST REMAIN WITH ATTACHED PAPERS

NUMBER EACH MEMO OR REPLY IN LEFT BORDER, PLACE NAME, RANK AND TELEPHONE NUMBER BOTTOM OF EACH ACTION. DRAW LINE UNDER EACH ACTION

ENTER FILE CLASSIFICATION ADJUTANT \_\_\_\_\_

TO	FROM	DATE	SUBJECT
1. AS-10	AS-80	19 Mar 47	<p>Laboratory Tests for Moisture Content of Wooden Boxes</p> <p>1. In order to determine the amount of desiccant required for packaging cryptomachines for long-term storage, it was found necessary to ascertain the amount of moisture contained in the carrying cases of the machines.</p> <p>2. Mr. G. E. Weber of the National Bureau of Standards was contacted with reference to performing the necessary laboratory tests and agreed to do so. Upon delivery of the samples to Mr. Weber, he asked that a written request be made, and stated that he would continue with the tests and await receipt of the request.</p> <p>3. Samples delivered were three broken bases of SIGABA carrying cases.</p> <p>4. It is requested that a letter substantially as the inclosed draft be forwarded to the National Bureau of Standards.</p> <p style="text-align: right;"><i>A. Sinkov</i>            A. SINKOV            Chief, Security Division            Extension 241</p> <p>1 Incl            Proposed draft of ltr            to National Bureau            of Standards</p>
2 AS-80	AS-11	21 Mar	<p>Copy of letter forwarded to Mr. Weber is attached.</p> <p style="text-align: right;"><i>Hamilton</i>            Major, Sg.C.            AS-11            Ext. 311</p> <p><i>Hamilton</i></p>

19 Mar 47

*AS 60-4*

March 20, 1947

Mr. C. E. Weber  
Paper Section  
National Bureau of Standards  
Washington, D. C.

Dear Mr. Weber:

Confirming the verbal request of a representative of this Agency, it is requested that the percentage of moisture content of the three samples of wood previously delivered be determined.

As agreed upon between you and the aforementioned representative, drying of the wood at 100 degrees Centigrade will be satisfactory to obtain the information desired.

Your cooperation in this matter is appreciated.

Sincerely yours,

SIGNED AND SENT OUT MAR 21 1947

HAMILL D. JONES  
Major, Signal Corps  
Executive Officer, ASA

SSS  
Date *21 Mar 1947*

*20 Mar 47*