



NATIONAL RESEARCH CENTRE
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
Scientific Services (CUASS)
Material Test Lab.

المركز القومي للبحوث
القاهرة . جمهورية مصر العربية
وحدة التحاليل والخدمات العلمية المركزية
معمل اختبار المواد



Test Report

Report No.	MO1 1068 03 2019
Client	Tri-chem Construction chemicals
Authority & date	Request Orders 27/3/2019
Items Tested	Tri-Cure WB, according to ASTM C309
Results	The detailed test results are given on the following pages of this report (3 pages).
Report Typist	* Mis. Sara Abdel Reheam – Naglaa Mohamed
Test carried and supervised by	Noha Samir * Mis. Fatma El – Zahraa Fikry * H.Eng. Ahmed Said * Chem. Amr El Shafey * Dr. Abou El Ftouh Abd El Hakem
Authorized by	Prof. Dr. Mostafa Zaki Mostafa * The Supervisor of ceramics, Polymer and Solid Matter Department. * Management Representative and Quality Assurance Manager.
Issue date	13/5/2019
Condition of Test & Issue	The test specimen was conditioned at 23 °C with a humidity of 60 % and the needed calibrations as well as balancing of the all used machines were always done .

(1/3-1068)

شارع التحرير - الدقي - القاهرة

مباشر ٣٣٣٨٧٨٠٣
وفاكس ١٤٢٤

داخلي ١٨١٠

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



E-mail: nrc1302a@yahoo.com



NATIONAL RESEARCH CENTRE
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
Scientific Services (CUASS)
Material Test Lab.

المركز القومي للبحوث
القاهرة . جمهورية مصر العربية
وحدة التحليل والخدمات العلمية المركزية
معمل اختبار المواد



To / Tri-chem Construction chemicals

Dear Sir.,

With correspondence to your request dated 2/12/2018 concerning the testing sample Tri-Cure WB , We would like to inform you that the all following needed tests were carried out which namely :-

- 1- Density*
- 2- Dry time at 23°C*
- 3- Water retention after 72hrs*

We would like to inform you that the all needed tests were carried out taking into consideration the following conditions :

- 1- On heating Muffle Furnace Type Vecstar was used .*
- 2-Weighing Balance with tolerance+0.0001gwas used in determining the weights*
- 3-Measuring drum of sensitivity±0.01mm was used fo dimensions evaluation .*
- 4- The all used Machinery and the apparatus were calibrated periodically .*

The following table give the obtained results representing the sample produced by your company.



(2/3-1068)

شارع التحرير- الدقي- القاهرة

مباشر ٣٣٣٨٧٨٠٣
وفاكس ١٤٢٤

داخلي ١٨١٠

٣٣٣٧١٦١٥-٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١-٣٣٣٥٥١٩٢



E-mail: nrc1302a@yahoo.com



NATIONAL RESEARCH CENTRE
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
Scientific Services (CUASS)
Material Test Lab.

المركز القومي للبحوث
الدقى . القاهرة . جمهورية مصر العربية
وحدة التحليل والخدمات العلمية المركزية
معمل اختبار المواد



Test Results on a sample of Tri-Cure WB
according to ASTM C309

Delivered from Tri-chem Construction chemicals

No.	Tests	Results	ASTM C309 Limit
1	Density (g/cm ³)	0.999	1.00 ± 0.01
2	Dry time at 23°C (hrs)	1.30	< 4
3	Water retention after 72hrs (Kg/m ²)	0.47	< 0.55

This report was given to you representing only the results for testing sample of Tri-Cure WB, Delivered from Tri-chem Construction chemicals , These results and conclusions were given to you without any responsibility on THE CERAMICS, POLYMERS AND SOLID MATTER DEP. of THE MATERIAL TEST LAB in THE NATIONAL RESEARCH CENTRE for pick up the samples to be tested.

**Head of Director of The Board of Central Department
for Scientific Analysis and Tests**

SUPERVISOR OF Material Test Lab

PROF.DR. MOSTAFA ZAKI MOSTAFA

(3/3-1068)

شارع التحرير- الدقى- القاهرة

مباشر ٣٣٣٨٧٨٠٣
وفاكس ١٤٢٤

داخلى ١٨١٠
١٤٢٤

٣٣٣٧١٦١٥-٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١-٣٣٣٥٥١٩٢



E-mail: nrc1302a@yahoo.com