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

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

Test Report

Report No.	*MO1 4714 10 2021*
Client	***Tri-chem Construction chemicals***
Authority & date	*Request Orders Date 18/10/2021*
Items Tested	***Tri-Backing Rod***
Results	*The detailed test results are given on the following pages of this report (4 pages)*
Report Typist	**** Mis. Naglaa Mohamed-Sara Abdel Reheam***
Test carried	**** Mis. Fatma El – Zahraa Fikry***
and supervised by	**** 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	*7/11/2021*
Condition of Test & Issue	*The test speciemen was conditioned at 23 °C with a humidity of 60 % and the needed caliberations as well as balancing of the all used machines were always done .*

شارع التحرير - الدقى - القاهرة ٣٣٣٨٧٨٠٣ مباشر وفاكس ١٨١٠ داخلى ١٤٢٤ ٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢ ٣٣٣٥٥١٩٢ - ٣٧٦٠٧٥٤١
E-mail: nrc1302a@yahoo.com

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

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

To / Tri-chem Construction chemicals

Dear Sir.,

With correspondence to your request dated 18/10/2021 concerning the sample of Tri-Backing Rod, We would like to inform you that the all following needed test were carried out which namely:-

1- Compressive strength test according to ASTM D1621

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

1- In all mechanical properties GALDABINI – QUASAR 600 – Made In Italy Universal Testing Machine was used This type has a self calibration , zero adjusting and automatic balance , which are done daily before testing or during testing this testing instrument is accompanied by a highly reliable system for evaluating the mechanical properties .

2-Measuring drum of sensitivity $\pm$ 0.01mm was used for dimensions evaluation.

3-Weighing Balance with tolerance + 0.0001 g was used in determining the weights

4- The all used Machinery and the apparatus were calibrated periodically .

The following table gives the obtained results representing the sample applied by your company.

٣٣٣٧١٣٦٢ - ٣٣٣٧١٦١٥
٣٣٣٥٥١٩٢ - ٣٧٦٠٧٥٤١
داخلى ١٨١٠ ١٤٢٤
مباشر ٣٣٣٨٧٨٠٣ وفاكس
شارع التحرير - الدقى - القاهرة
E-mail: nrc1302a@yahoo.com

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

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

Compressive strength test according to ASTM D1621

on a sample of Tri-Backing Rod

Delivered from Tri-chem Construction chemicals

No.	*Compressive strength At 20% (Kpa)*	*Compressive strength At 40% (Kpa)*
1	*74.92*	*151.68*
2	*78.11*	*148.92*
3	*68.53*	*146.71*
	59.17	*144.21*
	69.24	*150.07*
Mean	*49.99*	*148.32*

٣٣٣٧١٣٦٢ - ٣٣٣٧١٦١٥
٣٣٣٥٥١٩٢ - ٣٧٦٠٧٥٤١
داخلى ١٨١٠ ١٤٢٤
مباشر وفاكس ٣٣٣٨٧٨٠٣
شارع التحرير - الدقى - القاهرة
E-mail: nrc1302a@yahoo.com

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

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

This report was given to you representing only the results for the sample of Tri-Backing Rod, 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 Depertment
for Scientifical Analysis and Tests
&
SUPERVISOR
OF CERAMICS, POLYMER AND
SOLID MATTER DEPARTMENT

PROF.DR. MOSTAFA ZAKI MOSTAFA

٣٣٣٧١٣٦٢ - ٣٣٣٧١٦١٥
٣٣٣٥٥١٩٢ - ٣٧٦٠٧٥٤١
داخلى ١٨١٠ ١٤٢٤
مباشر وفاكس ٣٣٣٨٧٨٠٣
شارع التحرير - الدقى - القاهرة
E-mail: nrc1302a@yahoo.com