



Test Report

Report No.

MOI 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

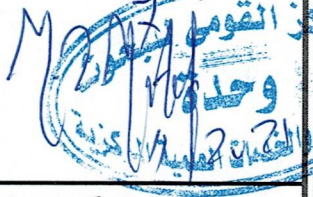
* H.Eng. Ahmed Said

* 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 .





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 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 :

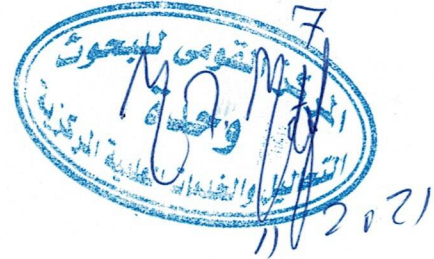
1- In all mechanical properties GALDABINI – QUASAR 600 – Made In Italy Universal Testing Machine was used This type has a self calibration , zero adjusting and automatic balance , which are done daily before testing or during testing this testing instrument is accompanied by a highly reliable system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





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)	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





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*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 Department
for Scientific Analysis and Tests**

&

SUPERVISOR 7
**OF CERAMICS, POLYMER AND
SOLID MATTER DEPARTMENT**

PROF.DR. MOSTAFA ZAKI MOSTAFA

