



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 و الخدمات العلمية المركزية

معمل اختبار المواد



Test Report

Report No.

Client

Authority & date

Items Tested

Results

Report Typist

Test carried

and supervised by

Authorized by



Issue date

Condition of Test
& Issue

MO1 3519 01 2023

HYBUILD construction chemicals

Request Orders 11/1/2024

*(HYMIX G5080 , HYMIX G5090 , HYMIX G550) ,
according to ASTM C494*

*The detailed test results are given on the following
pages of this report (4 pages).*

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Noha Samir*

** Mis . Fatma El – Zahraa Fikry*

** H.Eng. Ahmed Said*

** Chem. Amr El Shafey*

** Dr. Abou El Ftouh Abd El Hakem*

Prof. Dr. Mostafa Zaki Mostafa

** The Supervisor of ceramics, Polymer and
Solid Matter Department.*

** Management Representative and Quality
Assurance Manager.*

18/2/2024

*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 .*

شارع التحرير - الدقى - القاهرة

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مباشر
فاكس

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١٤٢٤

داخلي

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



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To / HYBUILD construction chemicals

Dear Sir.,

With correspondence to your request dated 11/1/2024 concerning the testing samples of (HYMIX G5080 , HYMIX G5090 , HYMIX G550) , according to ASTM C494 , We would like to inform you that the all following needed tests were carried out which namely :-

- 1- Density test .
- 2- PH test .
- 3- Ash content test .
- 4- Solid content test .
- 5- Cl content test .
- 6- Water content test .

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 ± 0.01 mm was used fo dimensions evaluation .
- 4- The all used Machinery and the apparatus were calibrated periodically .

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



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Test Results on (3) samples

according to ASTM C494

Delivered from HYBUILD construction chemicals

No.	Tests	HYMIX G5080	HYMIX G5090	HYMIX G550
1	Density (g/cm ³)	1.199	1.217	1.162
2	PH	6.61	6.71	6.33
3	Ash content (%)	29.82	31.13	30.38
4	Solid content (%)	37.37	40.42	32.54
5	Cl content (%)	0.09	0.11	0.08
6	Water content (%)	62.63	59.58	67.46





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This report was given to you representing only the results for testing samples of (HYMIX G5080 , HYMIX G5090 , HYMIX G550) , according to ASTM C494 , Delivered from A HYBUILD 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 Scientifical Analysis and Tests*

&

SUPERVISOR OF Material Test Lab

PROF.DR. MOSTAFA ZAKI MOSTAFA



شارع التحرير - الدقى - القاهرة

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داخلى

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