



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

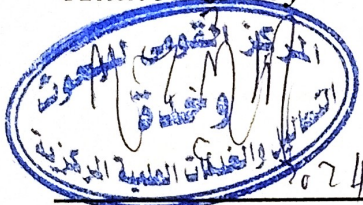
المركز القومي للبحوث

الدقى . القاهرة . جمهورية مصر العربية
وحدة التحليل و الخدمات العلمية المركزية
معمل اختبار المواد



Test Report

Report No.	MO1 5433 08 2024
Client	HYBUILD construction chemicals
Authority & date	Request Orders 28/8/2024
Items Tested	(HYMIX G5050 , HYMIX G5075 , HYMIX HR70 , HYMIX F1001) , according to ASTM C494
Results	The detailed test results are given on the following pages of this report (8 pages).
Report Typist	* Mis. Sara Abdel Reheam – Naglaa Mohamed
Test carried	Noha Samir
and supervised by	* 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	3/9/2024
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 .



شارع التحرير - الدقى - القاهرة

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E-mail : nrc1302a@yahoo.com



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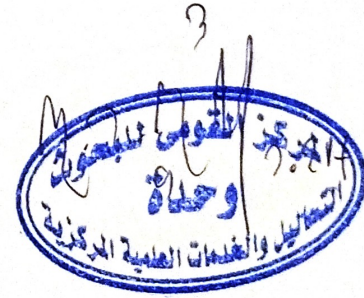


Test Results on a sample of HYMIX G5050

according to ASTM C494

Delivered from HYBUILD construction chemicals

No.	Tests	Results
1	Density (g/cm ³)	1.177
2	PH	6.279
3	Ash content (%)	17.26
4	Solid content (%)	36.42
5	Cl content (%)	0.09
6	Water content (%)	63.58



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Test Results on a sample of HYMIX G5075

according to ASTM C494

Delivered from HYBUILD construction chemicals

No.	Tests	Results
1	Density (g/cm ³)	1.206
2	PH	6.114
3	Ash content (%)	23.19
4	Solid content (%)	39.01
5	Cl content (%)	0.10
6	Water content (%)	60.99



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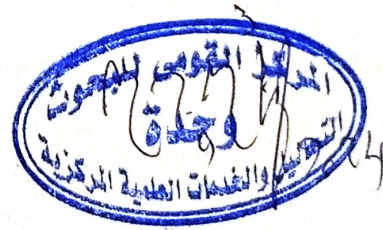


Test Results on a sample of HYMIX F1001

according to ASTM C494

Delivered from HYBUILD construction chemicals

No.	Tests	Results
1	Density (g/cm ³)	1.181
2	PH	5.773
3	Ash content (%)	20.31
4	Solid content (%)	35.75
5	Cl content (%)	0.08
6	Water content (%)	64.25



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To / HYBUILD construction chemicals

Dear Sir.,

With correspondence to your request dated 28/8/2024 concerning the testing samples of (HYMIX G5050 , HYMIX G5075 , HYMIX HR70 , HYMIX F1001) , 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 $\pm 0.0001g$ was used in determining the weights
- 3- Measuring drum of sensitivity $\pm 0.01mm$ 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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This report was given to you representing only the results for testing samples of (HYMIX G5050 , HYMIX G5075 , HYMIX HR70 , HYMIX F1001) , 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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