



X-Ray Spectrometric Analysis Test Report



Test Report No. : 00086/03/2024-CH-001-045

Test Report Date : 12/03/2024

Lab Name : Laboratories of Quality Directorate at the Ministry of Energy and Mineral Resources
Lab Address : Ministry of Energy and Mineral Resources - 8th Circle Bayader Wadi Al Seer, Amman – Jordan (www.memr.gov.jo)

Client Name : Agriculture Green Zeolite CO
Client Address : math.bbadar@gmail.com

Division : Chemical & Mineral Analysis Lab / XRF Lab

Testing Location : At the Lab facility.

Methods Used : BS EN 15309:2007

Lab Ref. Work Instruction: WI-REP-01

Used for: X Ray spectrometric analysis & LOI

Sampling Method : By customer

Sample Reception Date: 06/03/2024

Testing Date : 10/03/2024

Sample Location : -

Sample Type (As Received) : زئوليت

Table 1:

Test Results											
Item	Sample Identity *	Fe ₂ O ₃ Wt.%	MnO Wt.%	CaO Wt.%	K ₂ O Wt.%	P ₂ O ₅ Wt.%	SiO ₂ Wt.%	Al ₂ O ₃ Wt.%	MgO Wt.%	Na ₂ O Wt.%	L.O.I Wt.%
1	Zeolite	12.89	0.15	10.97	1.63	0.90	39.27	10.80	9.23	1.39	10.04
Uncertainty (if required):		-	-	-	-	-	-	-	-	-	-

*Sample Identity according to customer

This test is traceable to SI units and is following ISO/IEC 17025:2017. While measurement uncertainty is evaluated in accordance with ASTM standards. The coverage factor (k=2) so that the coverage probability is approximately 95%.

مديرية المختبرات والجودة

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Table 2:

		Test Results														
Item	Sample Identity *	TiO ₂ Wt.%	SO ₃ Wt.%	Cl Wt.%	BaO Wt.%	NiO Wt.%	SeO ₂ Wt.%	As ₂ O ₃ Wt.%	CuO Wt.%	ZnO Wt.%	CaO Wt.%	Cr ₂ O ₃ Wt.%	I Wt.%	Hg Wt.%	V ₂ O ₅ Wt.%	PbO Wt.%
1	Zeolite	2.29	0.16	0.035	0.034	0.030	0.001	NID	0.019	0.014	NID	0.041	NID	NID	0.023	NID
Uncertainty (if required):		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

- The results stated in this test report relates only to the tested sample.
- This test report is only valid with stamp and signature.
- The results stated in this test report shall not be reproduced except in full, without written approval of the lab.
- The Results were reported on dry basis.
- The laboratory does not apply the decision rule.
- Wt.% results In table 2 were done according to Standardless method (ND: Not Detected)

Opinions and Interpretations:

N/A.....

Additional Comments:

N/A.....

Analyzed by (Name and Signature): Eng. Feryal Yosef



Division Head (Name and Signature): Eng. Nidal Tayyem



Technical Manager (Name and Signature): Chemist Hanady Al Sharif



Lab Manager (Name and Signature): Eng. Maysoon Alkhzahee


