



TEST REPORT

Report No.: METSABD-R 4422-01/2026

Client / Establishment : M/s. Green Grove Soil Fertilizer Factory
Saudi Arabia

Sample ID : METSABD-S26-4422-01
Sample Receiving Date : 21/07/2026
Reporting Date : 31/07/2026
Date of Analysis : 21/07/2026-30/07/2026
Tested by : SJ/AM
Issue No : 01 (Issue Date: NA)

Sample Information:

Sample Description : Green Grove Soi 10-25mm

Test Result:

Parameter	Test Method	Unit	Result
Electrical Conductivity @25°C (Saturated Paste)	ISO 11265:1994	µS/cm	510
Soluble Sodium	USDA Method 4F2	mEq/L	5.239
Soluble Calcium	USDA Method 4F2	mEq/L	0.734
Soluble Magnesium	USDA Method 4F2	mEq/L	0.206
Soluble Potassium	USDA Method 4F2	mEq/L	<0.1
Total Soluble Salts in Saturated Extract (Na,K,Ca,Mg)	Calculation	mg/L	137.7
Exchangeable Sodium Percentage (Exchangeable Na*100)/CEC	FAO-GLOSAN-SOP-17	%	3.37
Water Holding Capacity	Gravimetry	%	70.06
Mineral Composition and Macro- Nutrient			
Nitrogen	ISO 11261	%	<0.1
Phosphorous	ICP-OES	%	0.12
Potassium	ICP-OES	%	0.50
Sulfur (S)	ICP-OES	mg/kg	126.75
Calcium (Ca)	ICP-OES	%	2.05
Heavy Metals			
Manganese (Mn)*	USEPA 3050 B/ 6010 C	mg/kg	631.11
Zinc (Zn)*	USEPA 3050 B/ 6010 C	mg/kg	39.31
Molybdenum (Mo)*	USEPA 3050 B/ 6010 C	mg/kg	<1
Copper (Cu)*	USEPA 3050 B/ 6010 C	mg/kg	33.67
Boron (B)*	USEPA 3050 B/ 6010 C	mg/kg	10.49
Iron (Fe)*	USEPA 3050 B/ 6010 C	%	3.48
Lead (Pb)*	USEPA 3050 B/ 6010 C	mg/kg	<1
Cadmium (Cd)*	USEPA 3050 B/ 6010 C	mg/kg	<1

Issue No: 2

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Report No.: METSABD-R 4422-01/2026

Date of Analysis: 21/07/2026-30/07/2026

Test Result:

Parameter	Test Method	Unit	Result
Chromium (Cr)*	USEPA 3050 B/ 6010 C	mg/kg	22.08
Arsenic (As)*	USEPA 3050 B/ 6010 C	mg/kg	<1
Mercury (Hg)*	USEPA 3050 B/ 6010 C	mg/kg	<1
Nickel (Ni)*	USEPA 3050 B/ 6010 C	mg/kg	46.64
Bulk Density(Tapped)	Gravimetry	kg/m3	631.5
Saturated Bulk Density	Gravimetry	kg/m3	1393
Moisture Content	ISO 11465:1993	%	0.44
Dry Matter	ISO 11465:1993/Calculation	%	99.56
Sieve Analysis			
28 mm micron Passing	BS-1377-2	%	100
25 mm micron Passing			100
20 mm micron Passing			100
14 mm micron Passing			98.6
10 mm micron Passing			18.4

Note: *Parameter is accredited by ENAS in accordance with ISO/IEC 17025:2017

The traceability details of the sample were not provided by the client

Test Location: Abu Dhabi

Prepared by



Approved by

Chemist
Central Equipment Division (CED)
Employee Code: METS AB EC 178

Team Head
Chemical Science Division (CSD)
Employee Code: METS AB EC 161

The above test results are only applicable to the sample(s) referred above. This report shall not be reproduced except in full, without the written approval of METS laboratory.

For further clarification of reports, please contact adqc@metslab.com

-End of Report-

Issue No: 2

Form MARF 09



TEST REPORT

Report No.: METSABD-R 4422-02/2026

Client / Establishment : M/s. Green Grove Soil Fertilizer Factory
Saudi Arabia

Sample ID : METSABD-S26-4422-02
Sample Receiving Date : 21/07/2026
Reporting Date : 31/07/2026
Date of Analysis : 21/07/2026-30/07/2026
Tested by : SJ/AM
Issue No : 01 (Issue Date: NA)

Sample Information:

Sample Description : Green Grove Soi 0 - 4mm

Test Result:

Parameter	Test Method	Unit	Result
Electrical Conductivity @25°C (Saturated Paste)	ISO 11265:1994	μS/cm	950
Soluble Sodium	USDA Method 4F2	mEq/L	10.1
Soluble Calcium	USDA Method 4F2	mEq/L	1.163
Soluble Magnesium	USDA Method 4F2	mEq/L	0.551
Soluble Potassium	USDA Method 4F2	mEq/L	<0.1
Total Soluble Salts in Saturated Extract (Na,K,Ca,Mg)	Calculation	mg/L	262.3
Exchangeable Sodium Percentage (Exchangeable Na*100)/CEC	FAO-GLOSAN-SOP-17	%	4.06
Water Holding Capacity	Gravimetry	%	79.30
Mineral Composition and Macro- Nutrient			
Nitrogen	ISO 11261	%	<0.1
Phosphorous	ICP-OES	%	0.15
Potassium	ICP-OES	%	0.16
Sulfur (S)	ICP-OES	mg/kg	116.90
Calcium (Ca)	ICP-OES	%	0.61
Heavy Metals			
Manganese (Mn)*	USEPA 3050 B/ 6010 C	mg/kg	348.85
Zinc (Zn)*	USEPA 3050 B/ 6010 C	mg/kg	36.05
Molybdenum (Mo)*	USEPA 3050 B/ 6010 C	mg/kg	<1
Copper (Cu)*	USEPA 3050 B/ 6010 C	mg/kg	12.67
Boron (B)*	USEPA 3050 B/ 6010 C	mg/kg	16.79
Iron (Fe)*	USEPA 3050 B/ 6010 C	%	1.77
Lead (Pb)*	USEPA 3050 B/ 6010 C	mg/kg	<1
Cadmium (Cd)*	USEPA 3050 B/ 6010 C	mg/kg	<1

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Report No.: METSABD-R 4422-02/2026

Date of Analysis: 21/07/2026-30/07/2026

Test Result:

Parameter	Test Method	Unit	Result
Chromium (Cr)*	USEPA 3050 B/ 6010 C	mg/kg	3.43
Arsenic (As)*	USEPA 3050 B/ 6010 C	mg/kg	<1
Mercury (Hg)*	USEPA 3050 B/ 6010 C	mg/kg	<1
Nickel (Ni)*	USEPA 3050 B/ 6010 C	mg/kg	9.23
Bulk Density(Tapped)	Gravimetry	kg/m3	954.6
Saturated Bulk Density	Gravimetry	kg/m3	1349.6
Moisture Content	ISO 11465:1993	%	0.17
Dry Matter	ISO 11465:1993/Calculation	%	99.83
Sieve Analysis			
4mm micron Passing	BS-1377-2	%	99.5
2mm micron Passing			72.3
1mm micron Passing			58.8
0.5 mm micron Passing			45.8
0.075 mm micron Passing			8.60

Note: *Parameter is accredited by ENAS in accordance with ISO/IEC 17025:2017
The traceability details of the sample were not provided by the client
Test Location: Abu Dhabi

Prepared by

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Central Equipment Division (CED)
Employee Code: METS AB EC 178

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