



SAMPLE SUBMISSION FORM: AGRICULTURAL SOILS, BIOSOLIDS & FERTILIZERS TESTING

Enquiries: Section Head Soil Chemistry		Laboratory Reference No: _____	
Customer Contact Information:			
Customer /Company Name	_____		
Primary contact person	_____		
Samples submitted by	_____		
Postal Address & Town	_____		
Tel / Mobile Number	_____		
Email Address	_____		
Accounts contact person	_____		
Tel / Mobile Number	_____		
Email Address	_____		
Financial Information:		FOR OFFICIAL USE	
Charge to Customer (company) <input type="checkbox"/> Submitter <input type="checkbox"/> Other <input type="checkbox"/>		Sample(s) received & inspected by	
_____		Name: _____	
Purchase Order No: _____		Signature: _____	
Quotation No (if any): _____		Date: _____ Time: _____	
Customer Account type (tick the appropriate box)		Sample(s) accepted (tick) <input type="checkbox"/>	
Credit Account <input type="checkbox"/>	Note: Payment to be done within 30 days		
Cash Customer <input type="checkbox"/>	Note: Payment to be done prior to testing		
Analytical Instructions Rush TAT requests must be approved by the laboratory. A surcharge will apply		If rejected, was the customer informed (tick) <input type="checkbox"/> Yes <input type="checkbox"/> No	
Standard TAT 10 working days (tick) <input type="checkbox"/> Rush TAT 5 working days (tick) <input type="checkbox"/>		Reason for rejection:	
Test Report		
• Test Report(s) will be emailed to primary contact by default		
• Additional Test Report(s) will be emailed as specified below:		
Email primary contact (tick) <input type="checkbox"/>	Additional information/known hazards (if any)		
Other email address (tick & specify below) <input type="checkbox"/>		
_____		
Samples accepted with exception: I the customer agree that the sample(s) should be tested even though not in compliance with the acceptance criteria		
Customer Signature: _____		
Date: _____		
Customer Authorisation (compulsory)			
By signing below, you agree to Analytical Laboratory Services Terms & Conditions and authorise Analytical Laboratory Services to perform the requested tests to the best of their knowledge and in accordance with specified Test Methods.			
Customer Signature: _____			
Date: _____			

Note: Complete page 1-2 and all other applicable pages to your request

Sample Information				FOR OFFICIAL USE
No.	Sample Description	Sampling Date	Sample Matrix*	Lab Sample No.
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21.				

***Sample Matrix Abbreviation Key**
 Soil = S Manure/Compost =M/C Other biosolids = B Limestone =L

Please specify:

Sampling done by: _____

Signature: _____

Reference of the sampling method (if available): _____

Sampling Location/Farm name: _____

Special Instructions (when applicable): sample storage/disposal; outsourced tests

Note: Complete page 1-2 and all other applicable pages to your request

CHEMICAL ANALYSIS OF AGRICULTURAL SOILS

Note: The laboratory will select the test parameters on behalf of the client, when a signed quotation is attached to this request form.

No.	Test Parameters	Reference Method	Tick
1.	pH of 2:5 (aqueous or KCl or CaCl ₂) extract or saturated paste extract	WHK METH S 001 based on ISO-10390-2021	<input type="checkbox"/>
3.	Conductivity of 2:5 aqueous extract	WHK METH S 002 based on ISO-11265-1994	<input type="checkbox"/>
4.	Conductivity on saturated paste extract	WHK METH S 002 based on ISO-11265-1994	<input type="checkbox"/>
5.	Particle size analysis (pipette method)	WHK METH S 016 based on ISO-11277-2020	<input type="checkbox"/>
6.	Moisture (150°C) & Organic matter by loss on ignition (360°C/4h)	WHK METH S 015 based on ISO-11465-2025	<input type="checkbox"/>
7.	Soil Organic carbon, (estimation of organic matter)	WHK METH S 007 based on Walkley Black standard Method in BS 1377: Part 3:1990	<input type="checkbox"/>
8.	Total nitrogen (modified Kjeldahl method)	WHK METH S 017 based on ISO-11261-1995	<input type="checkbox"/>
9.	Extractable nitrate (KCl extraction)	WHK METH S 018 based on ISO-14256-2-2005	<input type="checkbox"/>
10.	Extractable ammonium (KCl extraction)	WHK METH S 019 based on ISO-14256-2-2005	<input type="checkbox"/>
11.	Extractable sulphate (calcium phosphate extraction)	WHK METH S 013 based on ISO-11048-1995	<input type="checkbox"/>
12.	Extractable phosphorus (applicable for soil of pH > 6.5), Olsen	WHK METH S 010 based on ISO-11263-1994	<input type="checkbox"/>
13.	Extractable phosphorus, (applicable for acid soils) Bray1	WHK METH S 011 based on ISO-11263-1994	<input type="checkbox"/>
14.	Extractable chloride (aqueous extraction) 1:1 w/s	WHK METH S 020 based on SANS 202:2006	<input type="checkbox"/>
15.	Carbonates estimation (fizz test)	WHK METH S 009 based on ISO-10693-1995	<input type="checkbox"/>
16.	Carbonates quantification	WHK METH S 008 based on ISO-10693-1995	<input type="checkbox"/>
17.	Salinity and sodicity assessment (Na, K, Ca, Mg, pH, EC, SAR) Determination	WHK METH S 021 based on EN 13652:2001, WHK METH S 002, WHK METH S 001, ISO 22036:2024	<input type="checkbox"/>
18.	KCl exchangeable acidity (soil with pH 5.2)	WHK METH S 022 based on ISO-14254-2018	<input type="checkbox"/>
19.	Main cations, extractable (K, Ca, Mg, Na): ammonium acetate	WHK METH S 004 based on ISO-22171-2023	<input type="checkbox"/>
20.	Trace elements, extractable (Mn, Fe, Cu, Zn) determination: ammonium acetate/EDTA	WHK METH S 005 based on ISO 22036:2024	<input type="checkbox"/>
21.	Trace elements, extractable (Mn, Fe, Cu, Zn): DTPA	WHK METH S 006 based on ISO14870:2001	<input type="checkbox"/>
22.	Extractable boron (hot water extract) by ICP determination	WHK METH S 014 based on ISO 22036:2024	<input type="checkbox"/>
23.	Extractable molybdenum by ICP determination	WHK METH S 012 based in ISO 22036:2024	<input type="checkbox"/>
24.	Bulk density	WHK METH S 003 based on ISO-11272-2017	<input type="checkbox"/>
25.	Water holding capacity	WHK METH S 024 based on ISO-11274-2019	<input type="checkbox"/>
26.	Cation ion exchange capacity (sodium saturation)	WHK METH S 023 based on EPA 9081	<input type="checkbox"/>
27.	Saturation Percentage	WHK METH S 025 based on WHK METH S 021 calculation	<input type="checkbox"/>
28.	Oil and Grease (Dichloromethane Extractable Material)	WHK METH S 026 based on gravimetric method	<input type="checkbox"/>
29.	Cyanide in soil	WHK METH S 036 based on AWWA 4500-CN E	<input type="checkbox"/>

CHEMICAL ANALYSIS OF BIOSOLIDS AND FERTILIZERS

Note: The laboratory will select the test parameters on behalf of the client, when a signed quotation is attached to this request form.

No.	Test Parameters	Reference Method	Tick
1.	pH 1:5 slurry	WHK METH S 027 based on TMECC 04.11-A	<input type="checkbox"/>
2.	Electrical conductivity 1:5 slurry	WHK METH S 028 based on TMECC 04.10-A	<input type="checkbox"/>
3.	Total solids & Moisture (70°C overnight)	WHK METH S 029 based on TMECC 03.09-A	<input type="checkbox"/>
4.	Moisture (70°C) & Organic matter by loss on ignition (550°C) & Ash	WHK METH S 030 based on TMECC 05.07-A & TMECC 03.02-A	<input type="checkbox"/>
5.	Sand (acid insoluble fraction) and/or ash (requires: Lol)	WHK METH S 031 based on ISO 776:2011	<input type="checkbox"/>
6.	Total nitrogen (modified Kjeldahl method)	WHK METH S 017 based on 'AgriLASA Method ALFA 01/1	<input type="checkbox"/>
7.	Nitrate nitrogen determination	WHK METH S 032 based on TMECC 04.02-B	<input type="checkbox"/>
8.	Ammonium nitrogen determination	WHK METH S 033 based on TMECC 04.02-C	<input type="checkbox"/>
9.	Nitric acid digestion, SW-846 US EPA 3050B Modified: Cu, Zn, B, Mo, As, Cd, Cr, Pb, Se, Co, Ni, V, S Specify elements of interest	WHK METH S 034 based on TMECC 04.12-B	<input type="checkbox"/>
10.	Water soluble elements: Cl	WHK METH S 020 based on TMECC 04.12-D	<input type="checkbox"/>
11.	Potential pollutants: NO ₃ , Cu, Zn, Mo, As, Cd, Cr, Pb, Se, Co, Ni, V Specify elements of interest	WHK METH S 035 based on EPA 3051A: 2007 /EPA 3050B: 1996, ISO 22036:2024	<input type="checkbox"/>

Note: Complete page 1-2 and all other applicable pages to your request

GROUP TESTS		
No.	Test Parameters	Tick
1.	Standard farm soil analysis, package 1 pH, conductivity, K, Mg, Ca, Na, phosphorus, organic carbon, particle size analysis, calcium carbonate equivalent	<input type="checkbox"/>
2.	Standard farm soil analysis, package 2 pH, conductivity, K, Mg, Ca, Na, phosphorus, organic carbon, particle size analysis, total nitrogen	<input type="checkbox"/>
3.	Standard farm soil analysis, package 3 pH, conductivity, K, Mg, Ca, Na, phosphorus, organic carbon, particle size analysis, calcium carbonate equivalent, Total Nitrogen	<input type="checkbox"/>
4.	Complete manure/compost analysis Moisture, organic matter (Lol), ash, total nitrogen, phosphorus, Na, K, Mg, Ca, S, Mn, Fe, Cu, Zn, electrical conductivity and pH (1:5 slurry)	<input type="checkbox"/>
5.	Basic manure/compost analysis Moisture/total solids, organic matter (Lol), ash, total nitrogen, phosphorus, K	<input type="checkbox"/>
6.	Agricultural limestone Calcium carbonate content, two acid digestion followed by ICP analysis for Ca and Mg	<input type="checkbox"/>
7.	Proximate analysis. Moisture content, Volatile matter content, Ash content, Fixed carbon content Based on SANS 1399:2008	<input type="checkbox"/>

Note: Prices are specified on FM 7.1- 5

Instructions to complete this form (PDF) electronically

1. Select/click Tools on the Menu Bar
2. Select/click on Fill & Sign
3. Select/click on the area/space to be filled and type the relevant information.
4. Sign and Email the Sample Submission form to the Laboratory or send it together with the samples.

Note: The instructions steps might differ based on the PDF package