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PAS 100 Compost Analysis
Supporting Producers on the CCS

Eurofins Agro offers the complete set of testing packages required to ensure compliance with the PAS 100 specification for compost.

What is PAS 100?

PAS 100 (Publically Available Specification 100) for composted materials sets out the minimum standards required for the process of composting. It provides a way of evaluating the quality of the compost, helping to ensure it is safe, reliable and consistent. A composter's product needs to be compliant with PAS 100 before it can be marketed as a composted material.

PAS 100 is sponsored by the Waste and Resource Action Programme (WRAP) and is monitored by Renewable Energy Assurance Limited (REAL) under the Compost Certification Scheme (CCS).

Eurofins Agro is one of a small number of laboratories approved by REAL to carry out the compost tests required by PAS 100 compost producers

Testing Services

Since its inception, Eurofins have worked closely with REAL in developing the testing protocol for PAS 100.

The PAS 100 requirements for composted materials specify upper limits for:

- Human pathogen indicator organisms
- Potentially toxic elements
- Physical contaminants
- Weed propagules

Minimum performance in plant germination and growth tests is also required.

In addition to the mandatory tests, Eurofins offers additional analysis that provides further information on the nutritional value of the compost.

PAS 100 Analysis Packages

The table below details the composition of the standard PAS 100 analysis packages, as set out by the CCS. It is also possible to order single tests or bespoke packages.

Please email us at AgroTesting@eurofins.co.uk for more details, we would be pleased to help.

	Principal Grade: Mandatory Tests	Principal Grade: Mandatory & Optional Tests For use in Agriculture & Field Horticulture	Principal Grade: Mandatory & Optional Tests For use in Soft Landscaping & Horticulture	Additional Grade: Mandatory Tests	Additional Grade: Mandatory & Optional Tests For use in Agriculture & Field Horticulture	Additional Grade: Mandatory & Optional Tests For use in Soft Landscaping & Horticulture
Human Pathogens: E.Coli & Salmonella	✓	✓	✓	✓	✓	✓
Potentially Toxic Elements: Cd, Cr, Cu, Pb, Hg, Ni, Zn	✓	✓	✓	✓	✓	✓
Physical Contaminants & Particle Size Distribution	✓	✓	✓	✓	✓	✓
Stability (Aerobic Biological Activity by WRAP CO_2 Method)	✓	✓	✓	✓	✓	✓
Dry Matter/Moisture Content	✓	✓	✓	✓	✓	✓
Bulk Density	✓	✓	✓	✓	✓	✓
Electrical Conductivity	✓	✓	✓		✓	
Bioassay for Phytotoxins and Weed Propagules	✓	✓	✓			
Total Nitrogen		✓				
Organic Matter by Loss on Ignition		✓	✓			✓
pH		✓			✓	
Water Extractable Nutrients: Cl, NH4N, NO3N, P, K, Ca, Mg, S, Na, Mn, Fe, B, Mo, Cu, Zn		✓			✓	
DTPA/Calcium Chloride Extractable Nutrients: P, K, Mg, S, Na, B, Fe, Mn, Mo, Cu, Zn		✓				
Total Concentrations of: P, K, Mg, Ca, S, Na, Mn, Fe, B		✓				

About Eurofins Agro

Eurofins Agro provides comprehensive testing of a range of agricultural materials including feed, forages, soil, compost, manure, fertiliser, water and hydroponic solutions. For more information on our services, please visit www.eurofins.co.uk/agro.

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