



ELEMENTAL
LAB

Analysis for all
your needs

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ELEMENTAL
LAB



Timely. Tested. Trusted.

Results to meet your schedule.

Choose from standard (5-day) or expedited services.

ISO 17025 accreditation:
UKAS Accredited Testing
Laboratory No. 4260.

Company Management
System holds full
approval to ISO 9001.

Since 1976 we have offered fast, accurate elemental analysis to our customers.

Today we offer expanding services to all sectors of the analytical world.

Our analysts have particular expertise in handling and analysis of air sensitive and liquid samples, providing accurate, reliable results. Our instruments are calibrated using NIST traceable ISO 17034 certified reference standards, and our laboratory routinely uses consumables produced by our ISO 9001 accredited company.

Analysis options include single, duplicate or triplicate replicates. We offer a 5-day turn-around time as standard, or an expedited service for a small added charge. Contact us for details.

By offering a dynamic array of options for both the number of replicates and analysis timing, we aim to best serve any individual lab needs.

Our testing expertise covers a diverse range of sample types and applications. We routinely analyse anything from synthesised chemicals to natural materials; from oils to rubber; pharmaceuticals to polypeptides.



Organic Analysis

Our ISO 17025 UKAS accredited analysis service for organic samples includes CHN, O, S, and N/Protein analysis. Samples are analysed in single, duplicate or triplicate depending on your requirements. We also offer a sample preparation service.

TOC Analysis

We offer Total Organic Carbon analysis for organic samples; duplicate analysis of these samples ensures an accurate result.

Air Sensitive Analysis

Our laboratory has proficiency in handling of air sensitive organic and TOC samples within our scope of accreditation.

Stable Isotope Analysis

Our service focuses on $^{13}\text{C}/^{12}\text{C}$ and $^{15}\text{N}/^{14}\text{N}$ isotope ratios; samples are analysed by continuous flow isotope ratio mass spectroscopy.

Inorganic Analysis

We offer elemental analysis of metals, minerals, raw materials, and oxidic substances; specialising in trace elements.

We invite you to join a growing number of customers who draw upon our expertise in obtaining reliable results for elemental determination.

Whether you have a single sample, or an on-going research program, we offer you commitment to precision and accuracy at an affordable price. We won't keep you waiting for your results either!



Sample submission forms can be found at: elementallab.co.uk/submit-a-sample

Sample Size Requirements

Analysis Type	Test	Anticipated % / Ideal Sample Size			Limit of Detection (%)
		<1%	1% to 5%	>5%	
Organic	CHN Analysis	>20mg	>10mg	>2mg	0.01
Organic	Oxygen	>40mg	>20mg	>2mg	0.05
Organic	Total Organic Carbon	>100mg	>20mg	>5mg	0.01
Organic	Sulphur	>20mg	>10mg	>2mg	0.02
Organic	Nitrogen / Protein	>300mg	>200mg	>100mg	0.03
Stable Isotope Ratio	$^{13}\text{C}/^{12}\text{C}$ or $^{15}\text{N}/^{14}\text{N}$	>25mg	>25mg	>25mg	N/A
Inorganic	Fe Base, Cu Base, Trace Elements, Minerals	>1g*	>1g*	>1g*	Contact us
Inorganic	Raw Material	>50g*	>50g*	>50g*	Contact us

*Dependent on required procedure. Sample preparation can be performed by the laboratory. Contact us for details

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Elemental Microanalysis holds the following accreditations:

