

ELEMENTAL ANALYSIS LABORATORY (EAL)

Submit samples to NUS, 3 Science Drive 2, S5-02-17 Singapore 117543. Tel: 65164438
(Lab is open from Mon to Fri 830 to 6pm, except 530pm on Friday. Avoid 1-2pm. Sat/Sun closed)

Sample Request Form

(Revised on 2017)

Supervisor's name
& signature:

Category (Tick)

NUS Chemistry

Non-Chemistry : _____

Requestor's name:

Billing address (non-NUS addresses only)

Email (for results publication) :

@u.nus.edu

Contact No:

S()

Sample Information

Sample Handling Requirements

Your Reference: (10 characters max)											Dry Box		Fridge	
Sample Nature:											Call for Sample		Magnetic	
Molecular Wt:											Light Sensitive		Air Sensitive	
Formula											Volatile		Toxic/ Carcinogenic	

TICK ON REQUIRED TESTS

CHNS – Minimum Quantity of Sample: 3mg

Dry/remove solvent thoroughly before submission. Results are highly affected by presence of solvent & water content.

	Tick	Expected Values (%)	Determined Values (%)			Official Use
Carbon, C						
Hydrogen, H						
Nitrogen, N						
Sulfur, S						

Proceed for anions and/or metals testing without sending CHNS results first

Anions analysis on Ion Chromatography (IC) – Min sample req: 5mg for solids/10ml for filtered liqs

	Tick	Expected Values (ppm / %)	Determined Values (ppm) (%)		Official Use
Chloride, Cl					
Bromide, Br					
Fluoride, F					
Nitrate, NO ₃					
Phosphate, PO ₄ ³⁻					
Sulfate, SO ₄ ²⁻					

Metals analysis on Inductively Coupled Plasma (ICP) – Min sample req: 5mg for solids/5ml for filtered liqs

Standards used in calibration are certified standards prepared in acid/water matrix only.

Digestion: H₂O HNO₃ HCl HF H₂SO₄ AquaRegia hot plate microwave:

10ml 25ml clear solution ppt observed & filtered

Element	Expected Values (ppm / %)	Determined Values (ppm) (%)		Official Use

Remarks: _____

Report Out:

Note: The services provided are purely for scientific purposes and are not to be used in any court of law