

# 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 <sub>3</sub>					
Phosphate, PO <sub>4</sub> <sup>3-</sup>					
Sulfate, SO <sub>4</sub> <sup>2-</sup>					

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:  H<sub>2</sub>O  HNO<sub>3</sub>  HCl  HF  H<sub>2</sub>SO<sub>4</sub>  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