Central Analysis Lab

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***to be updated based on the link to the lab***

**SAMPLE ANALYSIS REQUEST FORM**

# For public community, Client Information *Mandatory field*

Name:

Institution:

Address:

E-mail:

Phone:

Project Name: ***Optional***

# For UDST staff and students Use *Mandatory field*

Project title:

Project Supervisor:

Department: Automatically capture from the logged in person

Internally Funded Project ***Yes/No***

***if Yes the below drop-down message will be displayed***

Project number:

Externally Funded Project ***Yes/No***

# Sample Information *Mandatory field*

Sample type (solid/liquid/gas):

Sample composition (organic/inorganic/other):

Sample Matrix (Ground Water/soil/biological/other):

Sample quantity:

Storage condition:

Expected concentration or result ranges (For dilution and standard preparation purposes):

Any other information: ***Optional***

# Toxicological Information *Mandatory field*

ACUTE ORAL TOXICITY *one option should be selected*

* Category 1 LD50 < 5 mg/kg
* Category 2 LD50 > 5 mg/kg <50 mg/kg
* Category 3 LD50 > 50 mg/kg < 300 mg/kg
* Category 4 LD50 > 300 mg/kg < 2000 mg/kg
* Category 5 LD50> 2000 mg/kg < 5000 mg/kg
* Unknown

ACUTE DERMAL TOXICITY *one option should be selected*

* Category 1 LD50 < 50 mg/kg
* Category 2 LD50 > 50 mg/kg < 200 mg/kg
* Category 3 LD50 > 200 mg/kg < 1000 mg/kg
* Category 4 LD50 > 1000 mg/kg < 2000 mg/kg
* Category 5 LD50 > 2000 mg/kg < 5000 mg/kg
* Unknown

ACUTE INHALATION TOXICITY *one option should be selected*

* Category 1
* Dusts and mists:LC50 < 0.05 mg/L
* Gases:LC50 < 100 ppm/V Vapors: LC50 <0.5 mg/L
* Category 2
* Dusts and mists: LC50 > 0.05 mg/L< 0.5 mg/L
* Gases: LC50 > 100 ppm/V < 500 ppm/V
* Vapors: LC50 > 0.5 mg/L < 2.0 mg/L DANGER
* Category 3
* Dusts and mists: LC50 > 0.5 mg/L < 1.0 mg/L
* Gases: LC50 > 500 ppm/V < 2500 ppm/V
* Vapors: LC50 > 2.0 mg/L < 10 mg/L DANGER
* Category 4
* Dusts and mists: LC50 > 1.0 mg/L< 5 mg/L
* Gases: LC50 > 2500 ppm/V < 5000 ppm/V
* Vapors: LC50 > 10 mg/L < 20 mg/L
* Category 5
* Dose equivalent to oral or dermal LC50 of 2000-5000mg/kg
* Unknown

FLAMMABILITY *one option should be selected*

* Flammable
* Non-Flammable

CARCINOGENIC *one option should be selected*

* None
* Possible
* Unknown

# Test(s) Requested *(at least one test should be checked)*

* IC 930 Compact Flex coupled with Suppressed Conductivity Detector

***if checked a drop-down message will be displayed for client to select anions needed for testing and to see additional information***

***at least one option should be selected***

* Fluoride
* Chloride
* Nitrite
* Bromide
* Nitrate
* Phosphate
* Sulfate

\*Only aqueous samples are accepted

\*DL (varies depending on element) High ppb levels

* HPLC 1260

***if checked a drop-down message will be displayed for client to select detector and to write analyte of interest***

*at least one detector should be selected*

* Diode Array Detector
* Fluorescence Detector
* Refractive Index
* Multiple Wavelength Detector
* Analyte of interest: *Mandatory*
* GC 7890B

***if checked a drop-down message will be displayed for client to select detector and to write analyte of interest***

*at least one detector should be selected*

* Thermal Conductivity Detector
* Flame Ionization Detector
* Pulsed Flame Photometric Detector
* Analyte of interest: *Mandatory*
* FAAS (AAnalyst 2000)

***if checked a drop-down message will be displayed for client to select metals needed for testing and to see additional information***

*at least one option should be selected*

Calcium

Potassium

 Sodium

Copper

Iron

Magnesium

\*Only aqueous samples are accepted

\* DL (varies depending on element) low ppm levels

 MPAES (4200)

***if checked a drop-down message will be displayed for client to select anions needed for testing and to see additional information***

*at least one option should be selected*

|  |  |
| --- | --- |
|  Beryllium (Be) |  Silver (Ag) |
|  Thorium (Th) |  Nickel (Ni) |
|  Zinc (Zn) |  Cobalt (Co) |
|  Vanadium (V) |  Lead (Pb) |
|  Cadmium (Cd) |  Copper (Cu) |
|  Titanium (Ti) |  Strontium (Sr) |
|  Arsenic (As) |  Barium (Ba) |
|  Chromium (Cr) |  Aluminum (Al) |
|  Thallium (Tl) |  Magnesium (Mg) |
|  Molybdenum (Mo) |  Antimony (Sb) |
|  Iron (Fe) |  Calcium (Ca) |
|  Sodium (Na) |  Potassium (K) |

\*Only aqueous samples are accepted

\*DL (varies depending on element) Low ppm levels

* X-ray Fluorescence Spectrometry (Epsilon 1)

***if checked a drop-down message will be displayed for client to write analyte of interest***

* Analyte of interest: *Mandatory*
* UV-VIS Spectrophotometry (Varian/Cary 50)

***if checked a drop-down message will be displayed for client to write analyte of interest***

* Analyte of interest: *Mandatory*
* Luminescence Spectrophotometry (LS 45)

***if checked a drop-down message will be displayed for client to write analyte of interest***

* Analyte of interest: *Mandatory*
* Density Meter (DDM 2190)

***if checked a drop-down message will be displayed for client to write analyte of interest***

* Analyte of interest: *Mandatory*
* Cannon-Fenske Routine Viscometer

***if checked a drop-down message will be displayed for client to write analyte of interest***

* Analyte of interest: *Mandatory*
* Differential Scanning Calorimetry (DSC-500BL)

***if checked a drop-down message will be displayed for client to write analyte of interest***

* Analyte of interest: *Mandatory*
* Scanning Electron Microscopy (JSM-IT500)

***if checked a drop-down message will be displayed for client to choose from***

*at least one option should be selected*

* + - SEM-image
    - SEM-image with semi quantitative analysis (EDX)
* FTIR (Nicolet iS10

***if checked a drop-down message will be displayed for client to write analyte of interest***

* Analyte of interest: *Mandatory*
* Differential Scanning Calorimeter

***if checked a drop-down message will be displayed for client to write analyte of interest***

* Analyte of interest: *Mandatory*

**Disclaimer*****Mandatory field user must check both statements***

* I authorize the lab to use the sample provided by me for the purposes of conducting required tests
* I understand that the sample will be used solely for the purpose of performing the requested analysis and that the lab is not responsible for returning any sample unless it was clearly requested and approved upon by the lab