Council for Geoscience	ANALYTICAL SERVICES	DOCUMENT NUMBER
		CGS-TEM-2017-0160
		REVISION NUMBER
	SERVICE REQUEST FORM	07
		EFFECTIVE DATE
		30/07/2025

Customer Information (The client is the recipient of the invoice and data after analysis)		Service Group (Please Tick)				Samples Retention (Please Tick)	
Name of Client/Contact		Sample Preparation	☐	Petrography	☐	Discard after 3 months	☐
Organisation		Coal	☐	SEM	☐	Courier to customer	☐
Tel/Cell		Environmental	☐	XRD	☐	Customer to collect	☐
Email		XRF	☐	Petrophysics	☐	Other (specify)	☐
Project No & Phase (CGS Clients)		Chemistry	☐	Particle Size Analysis	☐		
Order No/Payment Reference (Non CGS)		Mineralogy (digital photography)	☐	Ceramics	☐		
CGS Quotation number		Date					
Physical Address							

Please tick the required tests below

(NB! If you already have and typed in the quote number above no need to tick)

Solid Sample Preparation (Please Tick)			
Dry	☐	Mill <75 microns	☐
Crush <4mm	☐	Sieve	☐
Split	☐		
Coal (Please Tick)			
Proximate	☐	Calorific Value	☐
Ultimate	☐	HPVA	☐
Reflectance (V - value)	☐	Macerals	☐
		Detailed Macerals	☐
Free Swelling Index	☐	Reflectance Vitrinite	☐
Microlithotype	☐	Total Sulphur	☐
Environmental (Please Tick)			
pH	☐	ABA	☐
EC	☐	Batch Leach	☐
Paste pH	☐	Column Leach	☐
Paste EC	☐	Alkalinity/Acidity	☐
TCLP	☐		
XRF (Please Tick)			
Majors (Geological samples)	☐	Qualitative scans	☐
Traces	☐	Other (Specify)	☐
Mineralogy (Please Tick)			
XRD run traces only	☐	Ceramics Full physical test	☐
XRD semi-quantitative	☐	Ceramics extrusion, dry & fired strength, dry & fired shrinkage, water absorption, dry sensitivity (circle applicable if not all)	☐
XRD quantitative by Rietveld	☐	Ceramics firing	☐
XRD amorphous matter	☐	Ceramics button preparation and firing	☐
XRD clay fraction	☐	Ceramics Dilatometry	☐
XRD asbestos	☐	Ceramics MOR - compression, flexural, tensile strength (circle applicable if not all)	☐
XRD scan data/diffractogramm (circle applicable if not all)	☐	Ceramics QC (XRD & XRF)	☐
Digital Photography	☐	Ceramics primary sample preparation	☐

Chemistry (Please Tick)			
Liquid Samples/Water		**Solid Samples**	
Anions (water)	☐	Anions (soil)	☐
		Mercury	☐
		Carbon and Sulphur	☐
Petrophysics (Please Tick)			
Sample collection (25mm core)	☐	Tabulated Results	☐
Sample preparation (25mm core)	☐	Interpretive Report	☐
Sample preparation (all other sizes)	☐	Research/Consultation	☐
Magnetic Properties		**Physical Properties**	
Mass Susceptibility	☐	Bulk density and porosity	☐
Volume Susceptibility	☐	Bulk density (wet)	☐
Anisotropy of magnetic susceptibility (AMS)	☐	Bulk density (dry) porous sample	☐
Intensity of magnetization (NRM) incl. direction for oriented sample	☐	TD Resistivity & IP (mV/V)	☐
Remanence incl. Q-ratio (requires location)	☐	FD Resistivity & phase angle & conductivity (mS/m)	☐
Remanence only	☐	Dielectric parameters	☐
Paleomagnetic Study	☐	Seismic velocity (p-wave)	☐
Thermomagnetics (CS3) (ambient air)	☐	Seismic velocity (s-wave)	☐
Thermomagnetics (CS3) (Argon)	☐	Susceptibility (KT20)	☐
Field dependence of magnetic susceptibility	☐	Density (KT20)	☐
Particle Size Analysis (Please Tick)			
Wet dispersion (Water)	☐		
Petrography (Please Tick)			
Polished Thin Sections	☐	Polished Stubs	☐
Covered Thin Sections	☐	Large Sections	☐
Uncovered thin sections	☐	Minerals Separation Non Magnetic	☐
Polished Specimen	☐	Concise Petrography description	☐
Minerals Separation Magnetic	☐	Detailed Petrography description	☐

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NOTE:

- *Please consult the Laboratory if you not familiar with the test items above.*
- *Please email back the form to lab_reception@geoscience.org.za once completed.*
- *Kindly inform the laboratory of any toxics that might possibly be in the samples.*

Please specify if your samples might have the following (Please Tick)

Asbestos	☐	Radioactive	☐	Bio-Hazard	☐	Other (specify)	☐

Additional Requests/Comments

No	Sample Identity (Please Shorten/Acronym or Abbreviate)	General Description (Rock type/Sample Locality)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

TOTAL NUMBER OF SAMPLES	

SUBMITTED BY:		DATE:	
RECEIVED BY:		DATE:	
JOB NUMBER:		DATE:	