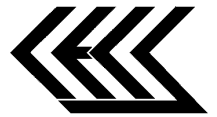


CIVIL ENGINEERING LABORATORY SERVICES REQUEST FOR LABORATORY TESTING



Project	
Location	
Source	
Client	
Material	
Contractor	
Sampled by	
Date sampled	
Sample condition	
Sampling method	

Client Ref No

Laboratory Information Only	
Lab Ref No	<input style="width: 100%; height: 40px;" type="text"/>
Date Received	<input style="width: 100%; height: 25px;" type="text"/>

Aggregate & Soils Testing

Sieve Analysis Dry	<input style="width: 30px; height: 20px;" type="text"/>
Sieve Analysis Wet	<input style="width: 30px; height: 20px;" type="text"/>
Sand Equivalent	<input style="width: 30px; height: 20px;" type="text"/>
% Broken Faces	<input style="width: 30px; height: 20px;" type="text"/>
Specific Gravity	<input style="width: 30px; height: 20px;" type="text"/>
Clay Index	<input style="width: 30px; height: 20px;" type="text"/>
Crushing Resistance	<input style="width: 30px; height: 20px;" type="text"/>
Weathering Resistance	<input style="width: 30px; height: 20px;" type="text"/>
CBR - Soaked / Unsoaked	<input style="width: 30px; height: 20px;" type="text"/>
OMC - NZ Heavy / NZ Standard/Vib Hammer	<input style="width: 30px; height: 20px;" type="text"/>
Water Content	<input style="width: 30px; height: 20px;" type="text"/>
Plasticity Index	<input style="width: 30px; height: 20px;" type="text"/>
Solid Density	<input style="width: 30px; height: 20px;" type="text"/>
Density & Absorption of Soil	<input style="width: 30px; height: 20px;" type="text"/>
Density & Absorption of Aggregate	<input style="width: 30px; height: 20px;" type="text"/>
Los Angeles Abrasion	<input style="width: 30px; height: 20px;" type="text"/>
Linear Shrinkage	<input style="width: 30px; height: 20px;" type="text"/>
Other Tests	<input style="width: 30px; height: 20px;" type="text"/>
Comments:	<input style="width: 100%; height: 20px;" type="text"/>

Sealing Chip Testing

Size & Shape (ALD)	<input style="width: 30px; height: 20px;" type="text"/>
Cleanness Value	<input style="width: 30px; height: 20px;" type="text"/>
Crushing Resistance	<input style="width: 30px; height: 20px;" type="text"/>
Weathering Resistance	<input style="width: 30px; height: 20px;" type="text"/>
Sieve Analysis	<input style="width: 30px; height: 20px;" type="text"/>
% Broken Faces	<input style="width: 30px; height: 20px;" type="text"/>
Other Tests	<input style="width: 30px; height: 20px;" type="text"/>

Client Information

Results to _____

Company _____

Address _____

Billing Address _____

Email Address _____

Order No _____

Signature _____

Date _____

Laboratory Information Only

Request received by _____ Date _____ Sample received by _____ Date _____

Bag visually inspected	Y / N
Damaged	Y / N
Comments:	<input style="width: 100%; height: 20px;" type="text"/>
Client requirements defined and understood	Y / N
Tests required within Laboratory's capability	Y / N
Sample able to be endorsed	Y / N

Planning , Testing, Reporting					
Test					
Sample prepared by					
Sample tested by					
Calculations by					
PDF/Fax Report Sent					
Reporting by					
Report checked by					
Report forwarded to Client					

PO Box 1424 NELSON, Unit 3/30 Echodale Place Stoke NELSON Ph: 03 547 0110 Fax: 03 547 0120
Mobile: 027 445 7071 Email: mick@cels.co.nz Web: www.cels.co.nz

Sampling Plan and Sampling Data

Sampling Method Used NZS 4407: 1991 Part 2

- Sampling from quarries or ledges
- Sampling from pits or banks
- Sampling the discharge from bin chutes or conveyer belts
- Sampling from conveyor belts
- Sampling from unit containers, trucks, railwagons, etc
- Stockpiles of uniformly graded aggregate (eg sealing chip)
- Hand method
- Machine method
- Stockpiles of well graded aggregate (eg AP 40 basecourse)
- Hand method
- Machine method
- Basecourse stockpiles constructed by run-over spreading
- Stockpiles of fine aggregate
- Sampling from freshly spread layers
- Sampling compacted material from pavements
- Random sampling
- Selected sampling
- NZS 3111 : 1986

	Method	Tick
	2.4.1	
	2.4.2	
	2.4.3	
	2.4.4	
	2.4.5	
	2.4.6.1	
	2.4.6.1.1	
	2.4.6.1.2	
	2.4.6.2	
	2.4.6.2.1	
	2.4.6.2.2	
	2.4.6.3	
	2.4.6.4	
	2.4.7	
	2.4.8	
	2.4.8.1	
	2.4.8.2	
	Part 5	

Random Numbers Generated

1	
2	
3	
4	
5	

	0	1	2	3	4	5	6	7	8	9
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										

Size of Sample Received

_____ Kg Estimate/weighed

Sketch of stockpile area & location to roads, etc

Minimum Aggregate Size	Kg
AP100	150
AP75	100
AP65	70
AP40 - eg: TNZ M/4	40
AP20 - eg: TNZ M/4	25
Grade 2 & 3 Chip	25
Grade 4 Chip	15
Grade 5 & 6 Chip	10

Testing Size Requirements	Sample Size Kg
TNZ B/2 Vibrating Hammer	60
NZ Std/heavy Compaction	40
Weathering Resistance	60
Crushing Resistance	30
California Bearing Ratio	15