

NATIONAL LABORATORY

For Soil Investigation and Building Materials Testing

Dubai Branch



المختبر الوطني
لفحص التربة ومواد البناء
فرع دبي

Compressive Strength of Cylindrical Concrete Specimen

Test Request and Worksheet

To: National Laboratory, P.O. Box: 95399 – Dubai-U.A.E., Tel: 04-2580033, Fax: 04-2580044, E-mail: natlabdx@eim.ae, Website: www.nldubai.ae

Contractor	P.O. Box no.	
	Telephone no.	
	Fax no.	
Client		
Consultant		
Project Name		
Project no.		
Plot no. & Project Location		

Structure Reference	
Production Date / Delivery to Site	Time:
Specification Strength (N/mm ²)	at Days
Place Concrete Sampled	Date Time:
Place of Casting Cylinders	Time:
Nominal Size (mm)	150x300 /
Method of Compaction	Manual (hand) / Vibration*
Equipment used for compaction	Tamping bar / Vibratory Table*
Sampling method	ASTM C31 / C31M-00
Curing & Storage conditions at site	ASTM C31 / C31M-00
Compression Test Method	ASTM C31 / C31M-00
Volume Determination	ASTM C31 / C31M-00
Treatment to prepare specimen if reduction necessary	Sawing / Coring / Breaking* (only specify if necessary)

Sampling Certificate no.	
Lot No.	
Lot Size	
Sample Size	
Slump Measured	
Ambient Temperature	
Placing Temperature	
Air Content	

Signed:

Contractor	
Consultant	

Supplied cylinder ID	Request test age (days)/ date	Laborator y Specimen ID	Age / Date of comp. test	Check 1.8<L/D< 2.2	Dimension	Avg.	Mass (kg.)	Density (kg/m ³)	Maximum load at failure (kN)	Comp. strength (N/mm ²)	Fracture type*
	days		days	Yes / No	D						
	/ /		/ /		L						
	days		days	Yes / No	D						
	/ /		/ /		L						
	days		days	Yes / No	D						
	/ /		/ /		L						
	days		days	Yes / No	D						
	/ /		/ /		L						
	days		days	Yes / No	D						
	/ /		/ /		L						

Sample Received by: _____ Date: _____ Time: _____

3 days 7 days 28 days

Condition when received	Good / Poor Compaction / Honeycombing / Bad Dimensions*
Moisture condition of spec. at test	Moist / Saturated / Oven dried*
Mass and density measurement (3)	As received / Saturated / Oven dried*
Mass and density measurement (7)	As received / Saturated / Oven dried*
Mass and density measurement (27)	As received / Saturated / Oven dried*
Remarks	
Resource Reviewed by	Date:
Request Reviewed by	Date:

NL Project no.	
NL Sample no.	
NL TR no.	
Date Received	
Time Received	

Date Scheduled	
Date Required	

Fracture type: a (cone) / b (cone & split) / c (cone & shear) / d (shear) / e (columnar)*
*Delete as appropriate

Form #: NLR-05 Issue no. 01 Rev. no.: 03 Rev. on: February 2009 Authorized By: Alaa Bary

P.O. Box: 95399 - Dubai-U.A.E., Tel: 04-2580033, Fax: 04 - 2580044
E-mail: natlabdx@eim.ae, www.nldubai.ae
Other Offices : Sharjah and Ras Al Khaimah

ص.ب. ٩٥٣٩٩ دبي - ا.ع.م. هاتف: ٠٤-٢٥٨٠٠٣٣، فاكس: ٠٤-٢٥٨٠٠٤٤
البريد الإلكتروني: natlabdx@eim.ae, www.nldubai.ae
مكاتب أخرى: الشارقة و رأس الخيمة