



من:	ادارة الجودة والسلامة
إلى:	شؤون الدعم الفني
الموضوع:	قائمة أشغال للاختبارات المعتمدة لدى المختبرات المحايدة رقم 2017/13
التاريخ:	2017/12/25

Dear All ,,,

تحية طيبة وبعد،

With reference to memorandum No. 28 - 2016 and regular assessment carried out by the Quality and Safety Dept. inspection team, you will find attached the updated list of approved tests, which used in Public Works Authority (Ashghal) projects. The basic amendments can be summarized as follows:

بناءً على التعميم رقم 28 لسنة 2016 وعلى التقييم الدوري لفريق مراقبة المختبرات التابع لإدارة الجودة والسلامة، نرفق لسيادتكم تحديث قائمة الاختبارات المعتمدة في مشاريع هيئة الأشغال العامة.

أهم التحديثات التي تمت هي:

أولاً: مختبرات الفحص

First: Testing Labs
1. New tests were approved to following laboratories after being accredited by ISO17025 in these tests:

1- إضافة اختبارات جديدة للمختبرات التالية وذلك بعد حصولها على شهادة الـ ISO17025 في هذه الاختبارات:

- International Technical laboratory (ITL).
- Gulf laboratories (GULF LABS).
- Exova Qatar (EXOVA).
- Arab Center for Engineering Studies (ACES).
- Construction Technology Laboratories Group (CTL).
- Technical laboratories (Tech-Lab).

- المختبر الفني العالمي (ITL).
- مختبرات الخليج (GULF LABS)
- مختبرات اكسوف قطر (EXOVA).
- المركز العربي للدراسات الهندسية (ACES).
- مجموعه مختبرات كونستركشن تكنولوجي (CTL)
- المختبرات التقنية (Tech-Lab).

2. Add the Technical laboratories Site lab in Ashghal project:

2- تمت إضافة مختبر الموقع التابع للمختبرات التقنية (Tech-Lab) في مشروع اشغال التالي:
- Al Khore expressway – project no 16-031

- Al Khore expressway – project no 16-031

ثانيا: مختبرات المعايرة

Second: calibration labs

- 1- The calibration scope of load cells was added to Al Bader nuclear gauges and equipment services.

The list of approved tests can be downloaded from Ashghal website: <http://www.ashghal.gov.qa/services/customerzone>

For further information, please contact Quality and Safety Dept. through:
Tel: 44950200 - Fax: 44951200

1- تمت اضافة مجال معايرة وحدات الضغط والتحميل لمركز البدر لخدمات الأجهزة والمقاييس النووية.

يمكنكم الاطلاع والحصول على نسخة من قائمة الاختبارات المعتمدة من خلال موقع الهيئة

<http://www.ashghal.gov.qa/services/customerzone>

لمزيد من المعلومات يمكنكم الاتصال بإدارة الجودة والسلامة على:

ت: 44950200 - فاكس: 44951200



خالد محمد العمادي

Quality & Safety Department Manager

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14. Calibration Labs												
Laboratory			TISSCO		BDH		Al Bader		LABTECH		PROMPT	
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC
01	Mass	Weighing scales	1 mg to 30 kg 10 lb. to 660 lb.	295 mg 0.3 lb.	0 to 200 g Up to 1 kg Up to 6 kg Up to 30 kg Up to 150 kg Up to 2000 kg	0.001g 0.01g 0.025g 0.12g 13g 0.16 kg	0 to 200 g /0.01mg 200 to 500 g/0.01mg 500 to 1kg /1mg 1kg to 5kg /0.1g 5kg to 50kg /1g	0.61mg 3.1mg 6.1mg 0.112g 0.81g	0 to 220g /0.0001 g 221 to 1000 g /0.001 g 0 to 5000 g /0.01 g 0 to 10000g /0.1g 0 to 30 kg 0 to 500 kg 0 to 1500 kg	0.00009 g 0.0017 g 0.01 g 0.06 g 0.0011kg 0.01 kg 0.09 kg		
		OIML Masses	1 mg to 500 mg 1g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 10 kg	2 µg 3 µg 4 µg 5 µg 8 µg 10 µg 23 µg 36 µg 44µg 3 mg	1mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g 1kg 2 kg	0.005mg 0.005mg 0.005mg 0.007mg 0.007mg 0.010mg 0.011 mg 0.03 mg 0.03 mg 0.03 mg 0.03 mg 0.05 mg 0.05 mg 0.08 mg 0.55 mg 0.55 mg 1.5 mg 2.0 mg 5.1 mg	up to 1000mg 1g to 1000g 1kg to 20kg	1mg 1.2mg 0.34g				

Laboratory			TISSCO		BDH		Al Bader		LABTECH		PROMPT	
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC
01	Mass	OIML Masses			5 kg 10 kg 20 kg	15 mg 103 mg 112 mg						
02	Pressure	Pneumatic pressure gauge	Up to 1 bar Up to 100 bar	0.065% 0.024%	0 to 40 bar	60 mbar			0 to 10000 psi /1psi	0.41 %	-1 bar to 120 bar	0.57% FS
		Vacuumed gauge	- 1 bar	0.065%	-1.0 bar to 0 bar	10 mbar	-1 to 2 bar /0.005 bar	0.07% FS			-1 bar to 200 bar	0.57% FS
		Hydraulic pressure gauge	Up to 100 bar 100 to 1000 bar Up to 900 bar 900 to 1800 bar 1800 to 2750bar	0.066% 0.07% 0.026% 0.038% 0.044%	0 bar to 150bar 150 bar to 700bar 700 bar to 1000 bar	0.85 bar 0.50 bar 2.5 bar	0 to 70 bar/0.05 bar 0 to 700 bar/0.05 bar	0.1% FS 0.36% FS		0 to 10000 psi /1psi	0.41 %	0 bar to 140 bar 140 bar to 1200 bar
03	Force	Compression machines	(200 to 5000) kN	1.3 %	100N to 3000 kN	0.3 %	Up to 3336 kN	0.66%	0 to 100 kN /0.01kN 0 to 3000 kN /0.01 kN	0.12 % 0.07 %		
		Proving rings	Up to 200 kN	0.29 %	100 N to 50 kN 100 N to 200 kN	1.0 % 1.0 %			0 to 50 kN /0.01 kN	0.25 %		
		Tension load cell	Up to 200 kN	0.29 %								
		Tension machines	200 kN to 1700 kN	1.3 %	100N to 250 kN 100N to 300 kN	0.3% 0.3%						

Laboratory			TISSCO		BDH		Al Bader		LABTECH		PROMPT		
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC	
03	Force	Compression testing machine performance test (stability verification)			200kN and 2000 kN Alignment of upper platen	N/A							
		Pull off tester			1 kN to 20 kN	0.6%							
		Hydraulic jack			10 kN to 1000 kN	1.0%							
		Torque	0 to 2 nm 1 to 25 nm 8 to 150 nm 30 to 1500nm	0.92 % 0.71 % 0.68% 0.73 %									
		Hardness Rockwell hardness machines			20 HRC to 70 HRC 20 HRB to 100 HRB 70 HR15N to 91HR15N 42HR30N to 80 HR30N 73 HR15T to 93 HR15T 43 HR30T to 82 HR30T	1.3 HRC 1.3 HRB 1.3 HR15N 1.3 HR30N 1.5 HR15T 1.5 HR30T							
		Hardness Vickers hardness machines			Vickers scale HV5 50 to 1000HV Vickers scale HV10 50 to 1000HV Vickers scale HV30 50 to 1000HV	2.2 % 1.9 % 1.8 %							

Laboratory			TISSCO		BDH		Al Bader		LABTECH		PROMPT	
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC
03	Force	Hardness Brinell hardness machines			Brinell scale 5/750 200 to 400 HBW	2.5 %						
					Brinell scale 10/3000 200 to 400 HBW	2.0 %						
					Brinell scale 2.5/187.5 200 to 400 HBW	2.7 %						

Laboratory			TISSCO		BDH		AI Bader		LABTECH		PROMPT	
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC
04	Thermal	Glass thermometer	- 196°C to 420°C	0.42 °C	- 30°C to 50°C 50°C to 250°C	0.09°C 0.44°C	-40 to 200°C 25 to 650 °C	0.7°C 1.6°C			-30°C to 660°C	0.25 °C
		Prop thermometer, switch gauge, transmitter	- 196°C to 420°C	0.42 °C	-30°C to 100°C 100°C to 400°C -30°C to 100°C 100°C to 400°C 400°C to 900°C 900°C to 1100°C	0.09 °C 0.8 °C 0.21 °C 1.2 °C 3.0 °C 5.0 °C	-40 to 200°C 25 to 650 °C	0.7°C 1.6°C	0 to 250°C /0.01 ° c	0.11°C	-30°C to 660°C	0.25 °C
		Controllers,	-200°C to 0°C 0°C to 100°C 100°C to 400°C 400°C to 630°C 630°C to 800°C	0.05 °C 0.07 °C 0.1 °C 0.12 °C 0.23 °C	-20°C to 500°C 500°C to 1200°C	0.5 °C 1.5 °C	-40 to 200°C/0.01°C 25 to 650°C/0.01°C	0.7°C 1.6°C	-30 to 1600°C /0.01°C -200 to 850°C /0.01°C	0.02°C 0.1°C	-30°C to 660°C	0.25 °C
		Temperature blocks							-40 to 400°C /0.1°C Up to 1000°C /0.1°C	0.13°C 1.20°C		
		Thermocouple Indicators Type K	-200°C to -100°C -100°C to 120°C 120°C to 1000°C 1000°C to 1372°C	0.33 °C 0.18 °C 0.26 °C 0.04 °C	-200°C to -25°C -25°C to 1372°C	0.7°C to 0.35 °C 0.35°C to 0.8 °C	-40 to 200°C/0.01°C 25 to 650°C/0.01°C	0.7°C 1.6°C	-200 to 1700°C /0.01° C	0.1° C	-250°C to 1372°C	0.46 °C

Laboratory			TISSCO		BDH		AI Bader		LABTECH		PROMPT	
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC
04	Thermal	Thermocouple Indicators Type J	-210°C to -100°C -100°C to 670°C 670°C to 1200°C	0.27 °C 0.17 °C 0.23 °C	-200°C to -30°C -30°C to 1200°C	0.7 °C to 0.35 °C 0.35°C to 0.8 °C	-210 to 1200°C/ 0.01°C	0.5°C	-200 to 1700°C /0.01° C	0.1° C	-210°C to 1200°C	0.46°C
		Thermocouple Indicators Type T	-250°C to -150°C -150°C to 0°C 0°C to 400°C	0.36 °C 0.24 °C 0.16 °C	-200°C to 0°C 0°C to 400°C	1.3°C to 0.5 °C 0.5°C to 3.0 °C	-270 to 400°C/ 0.01°C	0.5°C	-200 to 1700°C /0.01° C	0.1° C	-250°C to 400°C	0.46°C
		Thermocouple Indicators Type R			0°C to 400°C 400°C to 1700°C	1.1°C to 0.7 °C 0.7°C to 0.8 °C	-50 to 1768°C/ 0.01°C	0.5°C	-200 to 1700°C /0.01° C	0.1° C	0°C to 1767°C	0.46°C
		Thermocouple Indicators Type S	0°C to 250°C 250°C to 1400°C 1400°C to 1767°C	0.47 °C 0.37 °C 0.46 °C	0°C to 1700°C	1.0 °C	-50 to 1768°C/ 0.01°C	0.5°C	-200 to 1700°C /0.01° C	0.1° C	0°C to 1767°C	0.46°C
		Thermocouple Indicators Type N			-200°C to -25°C 25°C to 1300°C	0.8°C to 0.45 °C 0.45°C to 0.55 °C	-270 to 1300°C/ 0.01°C	0.5°C	-200 to 1700°C /0.01° C	0.1° C	-200°C to 1300°C	0.46°C
		Thermocouple Indicators Type E	-250°C to -100°C -100°C to 650°C 650°C to 1000°C	0.5 °C 0.16 °C 0.21 °C				-270 to 1000°C/ 0.01°C	0.5°C	-200 to 1700°C /0.01° C	0.1° C	-250°C to 1000°C

Laboratory			TISSCO		BDH		Al Bader		LABTECH		PROMPT	
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC
04	Thermal	Ovens freezers Fridge incubators	- 196°C to 420°C	0.42 °C	-30°C to 300°C	0.7 °C	Upto600°C/0.1°C To 40°C/0.1°C Up to100°C/0.1°C	0.75°C 0.6°C 0.6°C	30 to 250°C 0 to 20°C /0.1°C 0 TO 90 °C	0.70 °C 0.70 °C 0.70°C	-195°C to 419°C	0.63°C
		Liquid baths	- 196°C to 420°C	0.42 °C	-30°C to 300°C	0.7 °C	Upto600°C/0.1°C	0.75°C	5 to 95 °C /0.1°C	0.32°C		
		Muffle furnaces	100°C to 1200°C	1.5 °C	300°C to 900°C 900°C to 1200°C	5 °C 7 °C	Up to1200°C/1°C	4.45°C	300 to 1000°C	1.20°C		
		Humidity equipment	11 % RH 33 % RH 76 % RH 97 % RH	1.6 % RH 1.7 % RH 1.5 % RH 2.0 % RH								
05	Volume	Pipette, micropipette			Up to 2 µl Up to 20 µl Up to 200 µl Up to 1000 µl Up to 5000 µl	0.1 µl 0.2 µl 0.7 µl 0.92 µl 2 µl	5 to 1000µL/0.1µL 1mL to 2000mL/0.1mL	3.1µL 5.66mL				

Laboratory			TISSCO		BDH		Al Bader		LABTECH		PROMPT		
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC	
06	Dimensional	Calipers	0.5 mm to 300 mm 300 mm to 900 mm	(8+0.6 L) μ m (16+0.6 L) μ m			0 to 300mm/0.01 mm >300 to 600mm/0.01 mm	12 μ m 13 μ m	0 to 150mm /0.01mm	0.007 mm	0 mm to 300mm 0 mm to 300mm	9.0 μ m 17.8 μ m	
		Micrometers	Up to 25.4 mm 25.4 mm to 300 mm 300 mm to 900 mm	(0.75+0.6 L) μ m (3.1+0.6 L) μ m (14+0.6 L) μ m			0to150mm/0.01mm >150to300mm /0.01mm >300 to 600mm/0.01mm	1.4 μ m 6.8 μ m 7.8 μ m	0 to 25 mm /0.001 mm	0.007 mm	0 mm to 150 mm 0 mm to 150 mm	6.0 μ m 1.9 μ m	
		Height gages-length Dial Digital Vernier	Up to 1000 mm Up to 1000 mm Up to 1000 mm	21 μ m 19 μ m 35 μ m			0 to 300mm/0.01 mm >300 to 600mm/0.01 mm	12 μ m 13 μ m	0 to 100 mm /0.001 mm	0.0002 mm	0 mm to 600mm 0 mm to 600mm	11.0 μ m 15.0 μ m	
		Gage blocks-length	Up to 100 mm	(2.1+0.6 L) μ m									
		Cylindrical gage -plugs and pins	Up to 25.4 mm 25.4 mm to 50.8 mm 50.8 mm to 76.2 mm 76.2 mm to 101.6 mm 0.02 in to 2 in	(0.33+0.34 L) μ m (0.42+0.34 L) μ m (0.59+0.34 L) μ m (0.77+0.34 L) μ m 0.003 in			Up to 10mm Up to 150mm	3.2 μ m 3.5 μ m	0.5to 300mm	0.0012 mm			
		Thread plug gages Pitch diameter Major diameter	Up to 25.4 mm 25.4 mm to 150 mm Up to 25.4 mm 25.4 mm to 150mm	2.1 μ m (2.1+2.5 D) μ m 1.2 μ m (1.2+2.5 D) μ m									

Laboratory			TISSCO		BDH		Al Bader		LABTECH		PROMPT		
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC	
06	Dimensional	Ring gauges-cylindrical & tapered Bore gauge	Up to 25.4 mm 25.4 mm to 110 mm	0.75 μ m (0.75+1.5 L) μ m			Up to 2mm	7 μ m	0 to 200 mm	0.0002mm			
		Length indicators	Up to 25.4 mm 25.4 mm to 50.8 mm 50.8 mm to 200 mm	0.87 μ m 2.2 μ m 17 μ m									
		Length standard	Up to 100 mm 100 mm to 200mm	0.59 μ m (0.58+0.6 L) μ m						0 to 5000 mm /0.5 mm	0.12 mm		
		Metal tape measure							0 to 50000 mm /0.5 mm	0.12 mm			
		Coating thickness	Up to 1530 mm	4.7 μ m									
		Surface plates flatness	(300×300)mm (1800×3700)mm	(0.89+0.6 L) μ m									
		Thickness gauge Feeler gauge					Up to 50mm/0.01 mm Up to 2 mm	7 μ m 3.3 μ m	0 to 100 mm /0.001 mm 0.02 to 1m m	0.0002 mm 0.0011 mm	0 mm to 5 mm 0 mm to 25 mm 0 mm to 50 mm 0.01 mm to 2.0 mm	1.0 μ m 5.9 μ m 6.0 μ m 2.7 μ m	

Laboratory			TISSCO		BDH		AI Bader		LABTECH		PROMPT	
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC
07	Optical	Optical power measure (6 to 60)Db	850 nm	4.9 %								
		(10 to 110)dB	1310 nm	4.9 %								
		(10 to 110)dB	1550 nm	4.7 %								
		Optical wavelength measure	700 nm to 1650 nm	3.9 %								
		Fiber Optical wavelength measure	1510 nm to 1540 nm	1.5 parts in 10 ⁶ nm								
08	Time/frequency	Stopwatch/timer					Up to24h /0.01 sec	1 sec				
		Rotational speed/ Tachometer	Up to 1000 rpm 1 000 to 100 000 rpm	0.16 rpm 1.7 rpm			1 to 9999 rpm	1%				

Laboratory			TISSCO		BDH		AI Bader		LABTECH		PROMPT	
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC
09	Electrical	DC voltage generate	0 mV to 220 mV 220 mV to 2.2 V 2.2 V to 11 V 11 V to 22 V 22 V to 220 V 220 V to 1100 V	11μV/V+0.6 μV 10μV/V+1.0 μV 11μV/V+3.5 μV 10μV/V+6.5 μV 11μV/V+80 μV 13μV/V+500 μV	330 mV 3.3 V 33 V 330 V 1000 V	60 μV 0.6 mV 6 mV 60 mV 0.6 V	329.9999mV/01μV 3.299999V/ 1μV 32.99999V/ 10μV 329.9999V/ 100μV 1020.0V/1000μV	0.00059 % 0.00065 % 0.00050 % 0.00043 % 0.00040 %	100 mV 1V 10 V 100V 1000 V	0.0024 mV 0.0000036V 0.00006V 0.0008V 0.0017 V	0 μA to 329.999 μA 0 mA to 3.29999 mA 0 mA to 32.9999 mA 0 mA to 329.999 mA 0 A to 1.09999 A 1.1 A to 2.99999 A 0 A to 10.9999 A 11 A to 20.5 A 300 A to 1000 A	0.04% RDG 0.02%RDG 0.06% RDG 0.02% RDG 0.06% RDG 0.11% RDG 0.08% RDG 0.08% RDG 0.5% RDG
		DC voltage measure	0 mV to 100 mV 100 mV to 1 V 1 V to 10 V 10 V to 100 V 100 V to 1000 V 1 kV to 70 kV	13μV/V+3.0 μV 17μV/V+0.3 μV 13μV/V+0.5 μV 15μV/V+30 μV 27μV/V+100 μV 0.1 %			100 mV/100 nV 1V/1μV 10V/10μV 100V/100μV 1000V/1mV	0.84% 0.37% 0.33% 0.51% 0.59%	100 mV 1V 10 V 100V 1000 V	0.0024 mV 0.0000036V 0.00006V 0.0008V 0.0017 V	100 mV 1 V 10 V 100 V 1000 V	0.006% RDG 0.006% RDG 0.02% RDG 0.02% RDG 0.02% RDG
		Resistance measure	0 Ω to 10 Ω 10 Ω to 100 Ω 100 Ω to 100 kΩ 100 kΩ to 1 MΩ 1 MΩ to 10 MΩ 10 MΩ to 100 MΩ 100 MΩ to 1 GΩ	19 parts in 10 ⁶ Ω+0.06 mΩ 15 parts in 10 ⁶ Ω+0.6 mΩ 13 parts in 10 ⁶ Ω+0.6 mΩ 18 parts in 10 ⁶ Ω+2.4 Ω 59 parts in 10 ⁶ Ω+120 Ω 0.058 %+1.2 kΩ 1.8 %+10 kΩ	2 Ω 11 Ω 20 Ω 120 Ω 300 Ω 1 kΩ 12 kΩ 120 kΩ 330 kΩ 3 MΩ 33 MΩ 100 MΩ	9.0 mΩ 12 mΩ 12 mΩ 15 mΩ 0.1 Ω 0.9 Ω 60 Ω 60 Ω 0.6 kΩ 7.0 kΩ 60 kΩ	10Ω/10μΩ 100Ω/100μΩ 1kΩ/1mΩ 10kΩ/10mΩ 100kΩ/100mΩ 1MΩ/1Ω 10MΩ/10Ω 100MΩ/100Ω 1GΩ/1kΩ	0.3466% 0.0074% 0.0015% 0.0019% 0.0014% 0.0012% 0.0019% 0.0002% 0.0043%	0 Ω to 10 Ω 0 Ω to 100 Ω 0 Ω to 1000 Ω 0 Ω to 10 kΩ 0 Ω to 100 kΩ 0 Ω to 1000 kΩ 0 Ω to 10 MΩ 0 Ω to 100 MΩ 0 Ω to 1 GΩ	0.006 Ω 0.06 Ω 0.6 Ω 0.006 kΩ 0.06 kΩ 0.6 kΩ 0.006 MΩ 0.065 MΩ 0.0006 GΩ	10 Ω 100 Ω 1 kΩ 10 kΩ 100 kΩ 1MΩ 10 MΩ 100 MΩ 1.0 GΩ	0.36% RDG 0.23% RDG 0.23% RDG 0.73% RDG 0.73% RDG 0.73% RDG 1.37% RDG 1.37% RDG

Laboratory			TISSCO		BDH		Al Bader		LABTECH		PROMPT	
No	Calibration field	Calibration item	Range	CMC	Range	CMC	Range	CMC	Range	CMC	Range	CMC
10	Radiation	Nuclear density gauge - density					1772.7 kg/m ³	0.3 %				
		Nuclear density gauge - moisture					2225.0kg/m ³	0.3 %				
							2693.0 kg/m ³	0.3 %				
							568kg/m ³	1.33 %				

2. Calibration laboratories:

No.	Laboratory Name	City-Country	Tel.	Fax	P.O. Box	E. Mail
1	شركة التيسير للتجهيزات والخدمات (TISSCO)	Doha-Qatar	44585555	44602297	40523	tissco@tissco_qater.com
2	لابتيك لخدمات المعايرة (LABTECH)	Doha-Qatar	40299729	40298242	15481	info@labtechqater.com
3	مركز البدر لخدمة الأجهزة والمقاييس (BNGESC) النووية	Doha-Qatar	44607508	44607552	40570	bng@doha-group.com
4	العاجل لخدمات المعايرة PROMPET	Doha-Qatar	44115771	44418969	24067	prompt@promptqatar.com
5	مختبرات بي دي اتش (BDH)	Dubai - UAE	+9714285221	+97142861331	28637	Calibration @bdhme.com