مجلس أبوظبي للجودة والمطابقة
Abu Dhabi Quality & Conformity Council

شهادة تعيين
Designation Certificate

Name of the CAB	**اليمنت ماتيريلز تكنولوجي ام اي ليمتد أبو ظبي** **Element Materials Technology ME Limited Abu Dhabi**	**اسم الجهة**
CAB identification number	D-LAB-008-B	**الرقم التعريفي للجهة**
Initial designation date	16th Aug., 2022	**تاريخ التعيين الأول**
Current designation date:	16th Aug., 2022	**تاريخ التعيين الحالي**
Designation expiry date	15th Aug., 2025	**تاريخ انتهاء التعيين**
Address	ICAD III, Mussafah, Abu Dhabi, UAE	**العنوان**
Designation scopes	See appendix (A)	**مجال التعيين**

Dr. Helal Al Kaabi
Secretary General

- This certificate is invalid without the scope of designation published on QCC website.
- Designated CAB shall maintain the compliance to designation requirements during the designation period.
- This is an electronic certificate and does not require stamp.
- Visit our website to verify this certificate: www.qcc.gov.ae
- Any changes or modification on this certificate will affect its validity.

- هذه الشهادة غير صالحة بدون مجال التعيين المنشور على موقع المجلس.
- يجب على الجهة المعينة استمرارية تحقيق متطلبات التعيين خلال فترة التعيين.
- هذه الشهادة صدرت إلكترونيا ولا تحتاج إلى ختم
- للتأكد من صحة هذه الشهادة يرجى زيارة موقع المجلس الالكتروني: www.qcc.gov.ae
- أي كشط أو تغيير في هذه الشهادة يلغيها

Appendix (A)

Scope of Designation

Name of the CAB	اليمنت ماتيريلز تكنولوجي ام اي ليمتد أبو ظبي Element Materials Technology ME Limited Abu Dhabi	اسم الجهة
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Scope of Designation

#	Main Field	Sub Field	Main Product / Material	Sub Product / Material	Main Test	Sub Test	Standard / Method	Range / Accuracy	Permanent (P), Onsite (S)	Accreditation Body	Ref. in Accred. Cert.
1	Construction and Engineering Materials	Physical	Aggregates		Particle density and water absorption for aggregate 10 mm nominal size and smaller		BS 812-2		P	A2LA	1
2	Construction and Engineering Materials	Physical	Aggregates		Particle density and water absorption for aggregate all larger than 10 mm		BS 812-2		P	A2LA	2
3	Construction and Engineering Materials	Physical	Aggregates		Particle density and water absorption for aggregate between 40 mm and 5 mm		BS 812-2		P	A2LA	3
4	Construction and Engineering Materials	Physical	Aggregates		Sampling coarse, fine and all-in aggregates - from heaps - from a lorry-load - from laid material		BS 812-102		S	A2LA	4
5	Construction and Engineering Materials	Physical	Aggregates		Particle size distribution - washing and sieving		BS 812-103.1		P	A2LA	5
6	Construction and Engineering Materials	Physical	Aggregates		Particle size distribution - dry sieving		BS 812-103.1		P	A2LA	5
7	Construction and Engineering Materials	Physical	Aggregates		Flakiness index		BS 812-105.1		P	A2LA	6
8	Construction and Engineering Materials	Physical	Aggregates		Elongation index		BS 812-105.2		P	A2LA	7
9	Construction and Engineering Materials	Physical	Aggregates		Moisture content - oven drying		BS 812-109		P	A2LA	8

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10	Construction and Engineering Materials	Physical	Aggregates		Aggregate crushing value - particle size 10mm and greater (forces from 30 to 3000 kN)		BS 812-110		P	A2LA	9
11	Construction and Engineering Materials	Physical	Aggregates		Ten percent fines value (dry) - particle size 10 mm and greater (forces from 30 to 3000 kn)		BS 812-111		P	A2LA	10
12	Construction and Engineering Materials	Physical	Aggregates		Aggregate impact value (dry)		BS 812-112		P	A2LA	11
13	Construction and Engineering Materials	Chemical	Aggregates		Acid soluble chloride		BS 812-117 Appendix C		P	A2LA	12
14	Construction and Engineering Materials	Chemical	Aggregates		Total sulphate content by acid extraction		BS 812-118		P	A2LA	13
15	Construction and Engineering Materials	Physical	Aggregates		Materials finer than 75m (no 200) in mineral aggregates by washing		ASTM C117		P	A2LA	14
16	Construction and Engineering Materials	Physical	Aggregates		Specific gravity and absorption of coarse aggregates		ASTM C127		P	A2LA	15
17	Construction and Engineering Materials	Physical	Aggregates		Specific gravity and absorption of fine aggregates		ASTM C128		P	A2LA	16
18	Construction and Engineering Materials	Physical	Aggregates		Resistance to degradation of small-size coarse aggregate by abrasion and impact in the los angeles machine		ASTM C131/C131M		P	A2LA	17
19	Construction and Engineering Materials	Physical	Aggregates		Sieve analysis of fine and coarse aggregates		ASTM C136/C136M		P	A2LA	18

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20	Construction and Engineering Materials	Physical	Aggregates		Clay lumps and friable particles in aggregates		ASTM C142/C142M		P	A2LA	19
21	Construction and Engineering Materials	Physical	Aggregates		Resistance to degradation of large-size coarse aggregate by abrasion and impact in the los angeles machine		ASTM C535		P	A2LA	20
22	Construction and Engineering Materials	Physical	Aggregates		Total evaporable moisture content by drying		ASTM C566		P	A2LA	21
23	Construction and Engineering Materials	Physical	Asphalt		Bulk specific gravity and density of compacted bituminous mixtures		ASTM D2726/D2726M		P	A2LA	22
24	Construction and Engineering Materials	Physical	Asphalt		Thickness of compacted bituminous paving mixture specimens		ASTM D3549/ASTM D3549		P	A2LA	23
25	Construction and Engineering Materials	Physical	Asphalt		Mechanical size analysis of extracted aggregates		ASTM D5444		P	A2LA	24
26	Construction and Engineering Materials	Physical	Asphalt		Asphalt content of hot-mix asphalt by ignition method		ASTM D6307		P	A2LA	25
27	Construction and Engineering Materials	Physical	Asphalt		Preparation of bituminous specimens using marshall apparatus		ASTM D6926		P	A2LA	26
28	Construction and Engineering Materials	Physical	Asphalt		Marshall stability and flow		ASTM D6927		P	A2LA	27
29	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Sampling fresh concrete on site		BS 1881-101		S	A2LA	28

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30	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Sampling fresh concrete on site		ASTM C172/C172M		S	A2LA	29
31	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Sampling fresh concrete on site		BS EN 12350-1		S	A2LA	30
32	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Sampling from initial discharge (slump test)		BS 1881-102		S	A2LA	31
33	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Slump		BS 1881-102		P, S	A2LA	32
34	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Slump		ASTM C143/C143M		P, S	A2LA	33
35	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Slump		BS EN 12350-2		P, S	A2LA	34
36	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Density		BS 1881-114		P	A2LA	35
37	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Depth of penetration of water under pressure		BS EN 12390-8		P	A2LA	36
38	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Compressive strength of cubes-including curing (forces from 30 to 3000 ken)		BS 1881-116		P	A2LA	37
38	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Compressive strength of cubes-including curing (forces from 30 to 3000 ken)		BS 1881-111		P	A2LA	38
39	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Water absorption		BS 1881-122		P	A2LA	39

#	Main Field	Sub Field	Main Product / Material	Sub Product / Material	Main Test	Sub Test	Standard / Method	Range / Accuracy	Permanent (P), Onsite (S)	Accreditation Body	Ref. in Accred. Cert.
40	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Location of reinforcement		BS 1881-204		S	A2LA	40
41	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Shape and dimension of specimens		BS EN 12390-1		P	A2LA	41
42	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Compressive strength of cubes-including curing		BS EN 12390-2		P	A2LA	42
42	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Compressive strength of cubes-including curing		BS EN 12390-3		P	A2LA	43
43	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Density		BS EN 12390-7		P	A2LA	44
44	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Compressive strength of cores (60 to 3000 ken)		BS EN 12504-1		P	A2LA	45
45	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Cored specimens - taking		BS EN 12504-1		P, S	A2LA	46
46	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Sampling of concrete by dust drilling		EMT-M-OP-CMT-AUH-MD001		S	A2LA	47
47	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Temperature		ASTM C1064/C1064M		P, S	A2LA	48
48	Construction and Engineering Materials	Physical	Concrete	Fresh Concrete	Temperature		BS 5328-4		P, S	A2LA	49
49	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Rapid chloride permeability		ASTM C1202		P	A2LA	50

#	Main Field	Sub Field	Main Product / Material	Sub Product / Material	Main Test	Sub Test	Standard / Method	Range / Accuracy	Permanent (P), Onsite (S)	Accreditation Body	Ref. in Accred. Cert.
50	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Absorption of water by immersion		RILEM CPC 11.1		P	A2LA	51
51	Construction and Engineering Materials	Physical	Concrete	Hardened Concrete	Water permeability		DIN 1048-5		P	A2LA	52
52	Construction and Engineering Materials	Chemical	Concrete	Hardened Concrete	Acid soluble chloride		BS 1881-124 Clause 12.1		P	A2LA	53
53	Construction and Engineering Materials	Chemical	Concrete	Hardened Concrete	Total sulphate content by acid extraction		BS 1881-124 Clause 12.2		P	A2LA	54
54	Construction and Engineering Materials	Physical	Soil		Moisture content - oven drying		BS 1377-2		P	A2LA	55
55	Construction and Engineering Materials	Physical	Soil		Particle size distribution - wet sieving		BS 1377-2		P	A2LA	56
56	Construction and Engineering Materials	Physical	Soil		Particle size distribution - dry sieving		BS 1377-2		P	A2LA	57
57	Construction and Engineering Materials	Physical	Soil		Dry density/moisture content relationship (4.5 kg rammer)		BS 1377-4		P	A2LA	58
58	Construction and Engineering Materials	Physical	Soil		California Bearing Ratio (CBR)		BS 1377-4		P	A2LA	59
59	Construction and Engineering Materials	Physical	Soil		California Bearing Ratio (CBR)		ASTM D1883		P	A2LA	60
60	Construction and Engineering Materials	Physical	Soil		In-situ density – sand replacement method (large pouring cylinder)		BS 1377-9		S	A2LA	61

#	Main Field	Sub Field	Main Product / Material	Sub Product / Material	Main Test	Sub Test	Standard / Method	Range / Accuracy	Permanent (P), Onsite (S)	Accreditation Body	Ref. in Accred. Cert.
61	Construction and Engineering Materials	Physical	Soil		Density and unit weight of soil in place by the sand-cone method		ASTM D1556/D1556M		S	A2LA	62
62	Construction and Engineering Materials	Physical	Soil		Laboratory compaction characteristics of soil using modified effort		ASTM D1557		P	A2LA	63
63	Construction and Engineering Materials	Physical	Soil		Water (moisture) content		ASTM D2216		P	A2LA	64
64	Construction and Engineering Materials	Chemical	Soil		Acid soluble chloride		BS 1377-3		P	A2LA	65
65	Construction and Engineering Materials	Chemical	Soil		Total sulphate content by acid extraction		BS 1377-3		P	A2LA	66

End of scope of designation

Designation History			
Issue number	**Revision number**	**Details**	**Issue Date**
00	**00**	**Initial designation**	**16/08/2022**
00	**01**	**Update ADQCC logo**	**21/09/2022**