

	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	
	Document Title:	Certification of Clay Masonry Blocks as per TG 01-2024 Part 6	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP20-1107 (IC)	رقم الوثيقة:	

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Issue Date	Rev. No.	Summary Of Amendments
27-02-2005	0	Draft for comments
08-03-2005	0	Final draft
14-03-2005	1	Issue for use
01-05-2008	2	-Clause 5.4.5 for testing Efflorescence is removed from the initial testing also clause 7.3.2.c is rephrased as 'whenever applicable ' -Updating of signatories and format.
12-07-2009	3	Document reference number and format is changed according to the new IMS. Test methods are removed, (in accordance with the test methods specified in the Standard Specifications). Updated standard specifications.
26-10-2009	4	Surveillance frequency of testing is revised to six months (clause 7.3.2) and (if required) is added to the tests.
27-03-2019	5	Updated format as per new DM template and logo
06-09-2020	6	Adding the option of remote sampling and minor highlighted changes in some clauses and some other editorial changes. Changing font type
04-10-2022	7	Changing section name as per the new organizational structure, and replace HOU by CQPSM (Section's Manager).Removal of Proposed product identification mark under 5.1 and its visual verification in 5.2. Full re-structuring and transfer of common provisions to the general rule. Clauses are re-numbered and
27-03-2023	8	document title has been revised accordingly. Additional minor changes (highlighted). Use of New DM Logo
06-06-2024	9	Changing the logo of the Government of Dubai with the latest design.
16-09-2024	10	Revised due to cancellation of the standard specification, Dubai Municipality Standard (DMS) 17 and included the Clay Masonry Blocks in the Technical Guide (TG) 01 as Part 6.

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1. INTRODUCTION AND SCOPE

- 1.1 This document prescribes the specific rule for certification of the product(s) as identified herein, in accordance with the requirements of DM Third Party Product Certification Scheme Through Batch Testing, taking into consideration the applicable normative references and standard specification, in addition to the requirements for conformity evaluation, as stated below.
- 1.2 The applicant shall comply with these specific rules, and with those already mentioned in the “General Rules for DM Third Party Product Certification Scheme Through Batch Testing” (DM-DCLD-RD-DP20-1001(IC)).

2. PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

- 2.1 Product name: Clay Masonry Blocks
- 2.2 Applicable standard/Normative reference: TG 01-2024 Technical Guide for Blocks used in Construction Sites in the Emirate of Dubai Part 6: Clay Masonry Blocks

3. DEFINITION OF TERMS

The definitions given in DM-DCLD-RD-DP20-1001, TG 01-2024, and, in addition, the following shall apply:

- 3.1 Independent Testing Laboratory - Dubai Central Laboratory Department or any testing laboratory recognized by DCLD-CQPS.
- 3.2 Standard Specification – TG 01-2024 Technical Guide for Blocks used in Construction Sites in the Emirate of Dubai Part 6: Clay Masonry Blocks
- 3.3 Lot – is equivalent to 1 batch of product. This terminology is being used in order to make it consistent with the terminology used in the standard specification.
- 3.4 DM Certification Body – Product Conformity Assessment Section/ DCLD-CQPS.


4. GENERAL REQUIREMENTS FOR CERTIFICATION

- 4.1 The process of application, registration of supplier/client and product sampling ,surveillance sand fees shall be in line with the related provisions in the general rule and the standard specifications.
- 4.2 Product Evaluation and testing
- 4.2.1 DCLD-CQPS shall carry out initial product evaluation and testing in accordance with TG 01-2024 Part 6 requirements. DCLD-CQPS shall draw or arrange drawing samples remotely by any applicable means (like video recording, MS TEAMS. ZOOM ,...etc.) by the factory representative(s)-where applicable- from the factory/yard

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(refer to clause 4.4). The samples to be submitted to any of DCLD-CQPS approved Independent Testing Laboratory for the following tests (in accordance with the test methods specified in the Standard Specifications):-

- Compressive Strength
- Dimension
- Density
- Thermal Conductivity

4.2.2 Sampling and test methods shall be in accordance with those mentioned in the Standard Specifications, and the results of testing shall meet the requirements as stated therein. For density and thermal conductivity, the results shall not exceed the declared value.

4.2.3 After satisfying the above requirements, the establishment shall be informed officially and shall be included in the list of registered Suppliers for this certification scheme. The establishment can start submitting requests for certification of specific lots.

4.3 Request for Certification

4.3.1 Prior to submitting the request for certification, the supplier/client shall prepare the lots in the yard in accordance with the approved product description, and identified in accordance with the product labeling and numbering system.

4.3.2 The Supplier/client shall submit request for certification for each lot of the product on the day prior to the proposed sampling date.

4.4 Sampling and Testing

4.4.1 A representative sample shall be selected in accordance with a random sampling plan from the lot that is subject to certification. The number of specimens (blocks) to be collected shall be in accordance with section 8 of the Standard Specification.

4.4.2 The sample shall be submitted for testing at the Independent Testing Laboratory. Routine tests to be carried out for each sample (in accordance with the test methods specified in the Standard Specification) are as follows:


- Compressive strength
- Dimension

4.4.3 Additional tests (as required under clause 4.2.1) to be carried out every (6) six months on both normal weight and light weight Masonry Blocks from each registered supplier/client.

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4.4.4 The result of a particular test is considered “PASSED” if it meets the requirements as given in the Standard Specification. If not, it is considered as “FAILED”.

4.4.5 If the result of the routine testing (clause 4.4.2) is “FAILED”, the client has the option to retest the failed product from the same lot and carrying out the same test where the result is “FAILED”.

4.4.6 If any of the results of non-routine tests “FAILED” in the additional tests (clause 4.4.3), that particular test will be shifted to the routine test (clause 4.4.2) for the next lot. This test will remain in the routine test category until the result is “PASSED”, after which, the requirements of (clause 4.4.3) will re-apply.

5. ISSUE OF CERTIFICATE OF CONFORMITY

- 5.1 If the results of the routine tests (clause 4.4.2) are all “PASSED”, a Certificate of Conformity shall be issued for the particular lot where the sample was taken.
- 5.2 If one or more of the results, after carrying out the retest, is “FAILED”, a Certificate of Non-Conformity shall be issued for the particular lot.
- 5.3 In case of a “FAILED” result in routine test, the client may waive to carry out retest (clause 4.4.5) in which case a Certificate of Non-Conformity shall be issued.
- 5.4 In case of a “FAILED” result in non-routine test, a Certificate of Non-Conformity shall be issued and the provision under (clause 4.4.6) shall be applied.

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