

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي Dubai Municipality
	Document Title:	Certification of Steel Sheet as per ASTM A1003	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP32-5113 (IC)	رقم الوثيقة :	

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Approved by CQPSM	Authorized by CQPSM
Date of Issue : 18/04/2023	Rev. No. : 04
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Issue Date	Rev. No.	Summary Of Amendments
15-04-2013	0	Final draft for comments
16-04-2013	1	Issue for use
09-04-2019	2	Updated format as per new DM template and logo
07-10-2022	3	Changing section name as per the new organizational structure, and replace HOU by CQPSM (Section's Manager). Replace system by scheme and Type 1.
18-04-2023	4	Full re-structuring and transfer of common provisions to the general rule. Clauses are re-numbered and re-arrange, document title has been revised accordingly. Additional minor changes (highlighted). Use of New DM Logo

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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 Type 1B , 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 Type1 Product Certification Scheme**” (DM-DCLD-RD-DP32-5001(IC)).

2. PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

- 2.1 Product name: Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Member
- 2.2 Applicable standard/Normative reference: ASTM A1003-13 Standard Specifications for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members.

3. DEFINITION OF TERMS

The definitions given in DM-DCLD-RD-DP32-5001 shall apply.

4. GENERAL REQUIREMENTS FOR CERTIFICATION

- 4.1 The process of application of applicant/client, product sampling, fees and condition for issuance of the Type 1B certificate of conformity shall be in line with the related provisions in the general rule and the standard specifications.

4.2 Sampling and Testing

- 4.2.1 For detailed sampling procedure - Refer to related provisions in the general rules of the scheme.
- 4.2.2 For each 100 tons (or a fraction thereof) of the product, one sample for testing shall be selected by random. The quantity of sample shall be such that will be sufficient for carrying out the above tests.
- 4.2.3 Based on the defined batch and the tests to be carried out as per clause [4.2.4], a “Sampling and testing plan” shall be prepared that will give details of the number of samples and the tests to be carried out on each selected sample. The applicant for certification shall agree to the sampling and testing plan.

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4.2.4 Tests to be carried out on each sample as per below table (The test shall be carried out at an independent laboratory, preferably at DCLD):

S/N	Properties to be Determined	Test Method	Requirements (Pass/Fail Criteria) as per the Applicable Standard
1	Chemical composition		
	Carbon	ASTM E415	As per Table 2 of ASTM A1003
	Manganese	ASTM E415	As per Table 2 of ASTM A1003
	Phosphorus	ASTM E415	As per Table 2 of ASTM A1003
	Sulfur	ASTM E415	As per Table 2 of ASTM A1003
	Copper	ASTM E415	As per Table 2 of ASTM A1003
	Nickel	ASTM E415	As per Table 2 of ASTM A1003
	Chromium	ASTM E415	As per Table 2 of ASTM A1003
	Molybdenum	ASTM E415	As per Table 2 of ASTM A1003
	Columbium	ASTM E415	As per Table 2 of ASTM A1003
	Vanadium	ASTM E415	As per Table 2 of ASTM A1003
	Titanium	ASTM E415	As per Table 2 of ASTM A1003
2	Mechanical properties		
	Yield	ASTM A370	As per Table 3 of ASTM A1003
	Tensile	ASTM A370	As per Table 3 of ASTM A1003
	Elongation	ASTM A370	As per Table 3 of ASTM A1003
3	Coating Properties		
	Zinc Coating Weight (Mass) for Zinc coated materials	BS EN ISO 1460	As per Table 1 of ASTM A653 for Structural Steel (SS) Designation

5. ISSUANCE OF TYPE 1B CERTIFICATE OF CONFORMITY

5.1 The COC shall be issued based on the related provisions in the general rules.

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