

 GOVERNMENT OF DUBAI	Organization/Unit: إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
	Document Title: Type 1B Certification Specific Rules for ASTM A1003	عنوان الوثيقة:	
	Doc Ref. DM-DCLD-RD-DP32-5113 (IC)	رقم الوثيقة :	

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15-04-2013	0	Final draft for comments
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09-04-2019	2	Updated format as per new DM template and logo

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1. GENERAL

This document is a Specific Rule for a Type 1B certification of the product covered by the Standard Specification defined herewith. The Type 1 certification system is described in DM-DCLD-RD-DP32-5001 (IC).

2. CERTIFICATION REQUIREMENTS

2.1 Standard Specification (SS)

Standard Specification No.	ASTM A1003 – 13
Title of Standard Specification	Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members

2.2 Tests to be carried out on each sample (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)
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		
3	Zinc Coating Weight (Mass) for Zinc coated materials	BS EN ISO 1460	As per Table 1 of ASTM A653 for Structural Steel (SS) Designation

2.3 Sampling

2.3.1 The population of the product (batch) shall be defined prior to sampling. The members of the batch shall be of uniform physical description (i.e. same size shape, dimensions, etc.) and shall be distinctly

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identified by any appropriate means (For example: by quantity, location, heat number, markings, dimensions, etc. or a combination of them).

- 2.3.2 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.
- 2.3.3 In case the sample fails to meet the requirements, the applicant may request for re-sampling and re-testing from the same batch of product/s, in accordance with the agreed sampling plan. If the new sample again fails to meet the requirements, the product shall be considered non-conforming and no certificate shall be issued.

3. ISSUANCE OF TYPE 1B CERTIFICATE

- 3.1 The System 1 certificate shall be issued only when all results are meeting all the requirements as mentioned in clause [2.2].
- 3.2 The certificate is applicable only to the lot of product defined and identified as per clause [2.3.1]. It does not apply to the entire production of the factory.
- 3.2 The System 1 certificate is valid for 1 year only.
- 3.3 The System 1 certificate shall be issued upon payment of fees in accordance with DM-DCLD-RD-DP32-5002 (IC).

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