

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
	Document Title:	Type 1B Product Certification Specific Rules for ASTM A572	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP32-5101 (IC)	رقم الوثيقة :	

Issue Date	Rev. No.	Summary Of Amendments
26-04-2011	0	First draft for comments
29-05-2011	0	Final draft
30-05-2011	1	Issue for use
08-08-2011	2	Additional provision for re-sampling in case of failure
04-08-2015	3	The terminology is aligned with ISO/IEC 17067 for Type 1 certification and clause [3] added for the issuance of Type 1b certificate
09-04-2019	4	Updated format as per new DM template and logo

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1. GENERAL

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

2. CERTIFICATION REQUIREMENTS

2.1 Standard Specification (SS)

Standard Specification No.	ASTM A572 - 13
Title of Standard Specification	High-Strength Low-Alloy Columbium-Vanadium Structural Steel

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) as per the SS
1	Maximum thickness		As per Table 1
2	Chemical composition		
	Carbon	ASTM A751	As per Table 2
	Manganese	ASTM A751	As per Table 2
	Phosphorus	ASTM A751	As per Table 2
	Sulfur	ASTM A751	As per Table 2
	Silicon	ASTM A751	As per Table 2
	Columbium	ASTM A751	As per Table 3
	Vanadium	ASTM A751	As per Table 3
	Titanium	ASTM A751	As per Table 3
	Nitrogen	ASTM A751	As per Table 3
3	Mechanical properties		
	Yield	ASTM A370	As per Table 4
	Tensile	ASTM A370	As per Table 4
	Elongation	ASTM A370	As per Table 4

2.3 Sampling

2.3.1 The population of the product (batch) shall be defined prior to sampling. The composition of the batch shall be of uniform physical description (i.e. same size shape, dimensions, etc.) and shall be distinctly identified by any appropriate means (For example: by quantity, location, heat number, markings, dimensions, etc. or a combination of them).

2.3.2 If the quantity of product to be certified is more than 100 tons, separate applications shall be submitted for each batch of 100 tons. One sample shall be selected from each batch.

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- 2.3.3 Based on the defined batch and the tests to be carried out as per clause [2.2], the Certification Body shall prepare a “Sampling and testing plan” 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.
- 2.3.4 The sampling and testing plan shall be prepared in such manner that will provide highest confidence that the sample represents the entire population of product being certified.
- 2.3.5 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 Type 1b 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 or batch of product defined and identified as per clause [2.3.1] and [2.3.2]. It does not apply to the entire production of the factory.
- 3.3 The Type 1b certificate is valid for 1 year only.
- 3.4 The Type 1b certificate shall be issued upon payment of fees in accordance with RD-DP32-5002 (IC).

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