

TEST REPORT

No. : SHIN1612065823PS

Date : Jan 06, 2017

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CUSTOMER NAME: JIAXING HAINA FASTENER CO., LTD
ADDRESS: A-1012TECHNOLOGY MANSION EGO,CENTRAL WEST ROAD NO.
500, JIAXING CITY CHINA

Sample Name : Hex Nut
Product Specification : M30, M33
Buyer : INMEC Consortium Sdn. Bhd. Brunei Darussalam for the Project Name:
Temburong Marine Viaduct -CC2
Material and Mark : 316L

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Date of Receipt : Dec 22, 2016
Testing Start Date : Dec 22, 2016
Testing End Date : Dec 29, 2016
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services (Shanghai) Co., Ltd.



Qiang Wang
Authorized signatory



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1. Test Item: Chemical Composition Analysis

Test Method: GB/T 11170-2008 (OES)

Test Result:

Element	C	Si	Mn	P	S	Cr	Ni	Mo
Result ,%-1#	0.023	0.36	0.98	0.030	0.002	16.28	10.06	2.11
Result ,%-2#	0.015	0.37	0.94	0.028	0.002	16.46	10.12	2.04

2. Test Item: Proof Load Test

Test Method: GB/T 3098.15-2014

Test requirement: Assemble the nut on a threaded test mandrel. Apply a specified axial proof load to the nut and hold for 15 s. The nut shall resist this load without failure by stripping or rupture, and shall be removable from the test bolt by the fingers after the load is released. It is restricted to one half turn if using a manual wrench to remove the nut.

Test Result:

Sample	Specification	Proof load (kN)	Result
1#	M30 A4-50	280.5	Removable by the fingers
2#	M33 A4-50	347	Removable by the fingers

3. Test Item: Hardness Test

Test Method: GB/T 4340.1-2009

Test Result:

Test item	Sample	Test position	Result		
HV10	1#	Surface	253	248	253
	2#		242	251	248



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Sample Photo:



***** End of report*****



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