

TEST REPORT

No. : WHIN1807002563ML

Date : Jul 24, 2018

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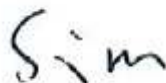
CUSTOMER NAME: WUHAN DACHU TRAFFIC FACILITIES CO., LTD.
ADDRESS: ZHANGWAN INDUSTRIAL PARK, CAIDIAN STREET, CAIDIAN DISTRICT, WUHAN CITY, HUBEI PROVINCE, CHINA 430100

Sample Name : 4.3MM GUARDRAIL C Section Post
Product Specification : AS/NZS 3845.1:2015
Product or Lot No. : WHDC201807008
Manufacturer : Wuhan Dachu Traffic Facilities Co., Ltd.
Material and Mark : HA300
Other Information : Heat No. : 18X200391

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.

Test Required : Thickness measurement, Chemical Composition Analysis, Tensile Test, Weight of Zinc Coating Test
Date of Receipt : Jul 19, 2018
Testing Start Date : Jul 19, 2018
Testing End Date : Jul 24, 2018
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 Co., Ltd. Wuhan Branch



Sim Wang
Authorized signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Wuhan Branch Testing Center Material Lab

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1.Thickness measurement:

Dimension Feature	Results(mm)	Test equipment
Thickness	4.583/4.592/4.590	Micrometer

2.Chemical Composition Analysis:

Test Method: OES

Element	C	Si	Mn	P	S	Conclusion
Req.,%	≤0.20	≤0.35	≤1.60	≤0.040	≤0.030	-
Result ,%	0.16	0.18	0.35	0.017	0.013	Pass

Note: The results comply with the requirement of AS/NZS 1594:2002 type HA300.

3.Tensile Test:

Test Method: AS 1391-2007

Test item	Specimen type	Tensile strength (R_m) (MPa)	Yield strength (R_{eH}) (MPa)	Elongation after fracture(A) $L_0 = 50$ (%)	Con
Req.	-	≥400	≥300	≥24	-
Result	Rectangular specimen	464	380	30.0	Pass

Note: The results comply with the requirement of AS/NZS 1594:2002 type HA300 (Thickness>3mm).



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4.Weight of Zinc Coating Test: (Double sides)

Test Method: AS 2331.2.1-2001

Sample	Weight of Zinc coating (g/m ²)			Average (g/m ²)
	1401.2	1420.0	1418.7	
/	1401.2	1420.0	1418.7	1413.3

Note: The coating information is supplied by the client.

Sample Photo:



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

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