

TEST REPORT**No. : TJIN2109014706ML****Date : Sep 09, 2021****Page: 1 of 3**

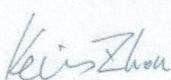
CUSTOMER NAME: K.O.H.INTERNATIONAL CO.,LTD
ADDRESS: 45 MOO 1, BORNGERN, LADLUMKAEW, PRATHUMTHANEE
12140 THAILAND

Sample Name : ROUND PIPE
Product Specification : 1/ 48.3 x 3.2 x 6000 HDG
Buyer : K.O.H.INTERNATIONAL CO.,LTD
Material and Mark : BS 1139 HDG
Other Information : Sample No.: 1/ IPT 64011/1

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.

SGS Ref. No. : TJG/20210809/TJHL/001T
Date of Receipt : Aug 18, 2021
Testing Start Date : Aug 18, 2021
Testing End Date : Sep 02, 2021
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(Tianjin) Co., Ltd



Kevin Zhou
Authorized signatory



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1. Test Item: Chemical Composition Analysis

Test Method: N: N/O analyzer; Others: OES

Element	C	Si	P	S	N*	Mn	Con.
Req., %	≤0.20	≤0.30	≤0.05	≤0.05	≤0.009	---	---
1-Result ,%	0.16	0.26	0.012	0.005	0.0036	1.49	Pass

Note: The results comply with the requirement of BS 1139-1.1:1990.

The testing item marked * was carried out by subcontractors.

2. Test item: Tensile Test

Test Method: BS EN ISO 6892-1:2019

Test item	Specimen type	Tensile strength (R _m) (N/mm ²)	Yield strength (R _{eh}) (N/mm ²)	Elongation after fracture(A) L ₀ =5.65 √ S ₀ (%)	Conclusion
Req.	-----	≥340 <480	≥235	≥24	-----
1	Tubular Strip specimen	411	521	24.5	Pass

Note: The results don't comply with the requirement of BS 1139-1.1:1990.

3. Test Item: Weight of Coating Test

Test Method: EN ISO 1460:1995

Sample	Weight of Coating (g/m ²)			Average (g/m ²)
1	400	458	422	427

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The test results were transferred from report No. TJIN2108013290ML-01 dated: Sep 09, 2021 issued by SGS Tianjin Materials Lab.

The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

**Sample photo********* End of report*******

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