



INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204

CERTIFICATE NO
232668Rev
1ISSUE DATE
2019-04-18MANUFACTURER'S
MARK

BHS

INSPECTOR'S STAMP



MELTING PROCESS

EAF, AOD

CUSTOMER

YOUNG GWANG STAINLESS CO., LTD.
16, NOKSANSANDAN 262-RO, GANGSEO-GU,
BUSAN

South Korea

ORDER No.

BE09168

ITEM No.

11

DELIVERY NOTE No.

DEL068715

CUSTOMER ORDER No.

091/ACXVN19

REQUIREMENTS



SPECIFICATIONS

ASTM A240 / A240M-16a

MATERIAL GRADE

304L 304

ASME BPVC-IIA SA240 / SA240M-2017

304L 304

EN 10088-2-2014

1.4307 1.4301

CASE MATERIAL

BPS1122985 E0064565C

MASS

4450 Kg

BPS1122986 E0064565E

4460 Kg

BPS1122987 E0064565F

4080 Kg

BPS1122994 E0064565D

4420 Kg

TOLERANCE ASTM A480/A480M

HEAT No. Y190215
A03 E02389

TYPE

PRODUCT

No. 2B : 2B

Cold rolled, heat treated, pickled & skin passed

QUANTITY 4

TOTAL MASS 17410 kg

DIMENSIONS 4 mm x 1524 mm x COIL

CHEMICAL COMPOSITION (%)

	C	S	P	Mn	Si	Cr	Ni	N										
Min						17.5	8.0											
Max	0.030	0.015	0.045	2.00	0.75	19.5	10.5	0.10										
Actual	0.021	0.002	0.028	1.41	0.36	18.5	8.0	0.06										

MECHANICAL PROPERTIES

TEMPERATURE	DIRECTION	POSITION	Rm MPa	Rp0.2 MPa	Rp1.0 MPa	A50 %	A5 %	HRBW HRBW										
Ambient	Transverse	Requirement Min Max	515	230	260	40	45	92										
Ambient	Transverse	Head Tail	649	316	374	51	55	84 84										

INTERGRANULAR CORROSION

TEST

RESULT

ASTM A262 Practice E

PASS

Bahru Stainless Sdn Bhd certifies that the analysis and material on this certification is correct and meets the specifications stated.

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The radiation level exhibited by this material is not greater than the normal background level.

This material is free from mercury contamination. This Material is PMI Tested.

Declaration of Performance : tinyurl.com/u3ruq8a/

Visual and dimensional control: no exceptions. The delivery is in accordance with the order.

Test to verify batch and quality have been made.

This material meets the Hardness requirement of NACE MR0175 / ISO 15156-3 : 2015 & NACE MR0103 / ISO 17945 : 2015

Bahru Stainless is ISO 9001:2008 & ISO 14001:2004 Certified.

Material not weld repaired

BAHRU STAINLESS SDN BHD IS MEMBER OF ACERINOX GROUP

Test Name Legend:

Rm - Tensile strength (UTS)

Rp0.2 - Yield/proof strength at 0.2% strain

Rp1.0 - Yield/proof strength at 1.0% strain

A5 - Elongation with gauge length = $5.65 \times \sqrt{\text{cross-sectional area}}$

A50 - Elongation with gauge length = 50mm

A80 - Elongation with gauge length = 80mm

HEAT TREATMENT (SOLUTION ANNEALED)

Anneal °C

Quench

1050 - 1100

AIR/SPRAY

BAHRU STAINLESS

PTD 4069 (PLO 108), Jalan Rumbia 4, Tanjung Lingsat Ind
81700 Pasir Gudang, Johor, MalaysiaSwin L. Teoh
QC ENGINEER