

CERTIFICATE OF QUALITY INSPECTION

EN10204 -3.1

Customer Code: B339

Certificate No.: B339004F1

Order No.	B339004	Works No.	004-F1
Article:	Flanges	According to	ASME B16.5-2013
Material:	ASTM A105 2015	Supply Condition	Normalized(910°C)

A.Content of the delivery

No.	Quantity (Pcs)	Products Description	Heat No.
65	9	1" 300LB SCH 160 WN Flg., ASME B16.5, RFFE, ASTM A105	KS00827
67	5	12" 300LB SCH 40 WN Flg., ASME B16.5, RFFE, ASTM A105	KS00827
64	6	3/4" 300LB SCH 160 WN Flg., ASME B16.5, RFFE, ASTM A105	KS00827

B.Chemical analysis

Heat No.	C% <0.35	Mn% 0.60~1.05	P% <0.035	S% <0.040	Si% 0.10~0.35	Cu% <0.40	Ni% <0.40	Cr% <0.30	Mo% <0.12	V% <0.08
KS00827	0.23	0.87	0.025	0.013	0.25	0.012	0.013	0.012	0.011	0.004

C.Mechanical properties tests and Carbon Equivalent

Heat No.	Yield Strength (MPa) >250	Tensile Strength (MPa) >485	Elongation (%) >22	Reduction of area (%) >30	Hardness (HB) <187	Carbon Equivalent <0.47
KS00827	288	535	31	41	163/165	0.38

D.Visual and dimensional inspection:

Item	Visual Inspection	Dimension Inspection
Conclusion	GOOD	GOOD

E.Remark

- 1, The goods are manufactured according to a quality management system approved and registered to ISO 9001:2008
- 2, These goods were manufactured, sampled, tested and inspected accordance with specification and were found to meet the requirements, of ASME B16.5& SA105M

Lister: Bobby

Date: 2017/11/30


 C&N INDUSTRIAL GROUP LIMITED
 鑫磊實業有限公司
 Quality Controller: 杜长均
 Authorized Signature(s)