

YIN00915  
11-AGNS-1319 D

# INSPECTION CERTIFICATE



SUMITOMO METAL INDUSTRIES, LTD.  
NAOETSU WORKS  
ADDRESS : No.2-12-1, MINATOCHO, JOETSU CITY,  
NIGATA PREF., JAPAN

Customer RTI INTERNATIONAL METALS LTD.

NAR STAINLESS STEEL  
ST TITANIUM

Date SEP. 24. 2012.

P.O.No. RMI-3716-A  
Specification & Type AMS4902J

Condition & Finish 2B

Notes #1 Shape B ; Sheet Plate

Case No.	Mat	Unit	inch : "	mm :	Shape & Size	Quantity	Mass	Inspection No.	Heat No.	Manufacture
1	B	2.000X	1000.0	X	2500.0	49	1,084	12BN502	D145006	GOOD
2	B	2.000X	1000.0	X	2500.0	49	1,083	12BN502	D145006	GOOD
3	B	2.000X	1000.0	X	2500.0	51	1,131	12BN521	D145012	GOOD

### Chemical Composition in %

MIN	C	F	O	N	Fe
0.0800	0.0150	0.20	0.050	0.30	
1	0.0030	0.017	0.13	0.002	0.08
2	0.0030	0.017	0.13	0.002	0.08
3	0.0040	0.017	0.14	0.002	0.07

Yield Strength	Tensile Strength	Elongation	Reduction of Area	Hardness Test	Band Test	CS	ASTM NO.
MPa	MPa	%	%		R=2.5T 105°		6.0
276	345	20					
448	465	31					
351	476	31					
314	465	31					
314	476	31					
373	477	30					
339	490	32					

### Remarks

CORRESPONDING SPEC  
BS3TA2-2009  
AMS-T-9046 CP-3  
ISO 5832-2 PART 2 GRADE 2  
ASTM B265 GRADE 2  
RTI GQR001 Rev.3  
EN10204 3.1

Heat Treatment: A: 740°C AC

We hereby certify that the above results are true and correct in every detail.

Manager of Quality System Section

T. Ikeda

Witnessed by  
Inspection Agency

\* 2 L.C. # 3 Diameter  
L: Lath  
C: Check  
CG: Other Elements Each  
R: Other Element Total  
R: Remanufacture  
BU: Refractor

\* 4 Position  
T: Top  
B: Bottom  
R: Right  
L: Longitudinal

\* 5 Direction  
M: Middle  
T: Transverse

\* 6 Test Item  
1 Y: 10% offset Yield Strength  
2 Y: 0.2% offset Yield Strength  
3 Y: 0.1% offset Yield Strength  
4 Y: 0.01% offset Yield Strength  
EM: Elongation  
FC: Ferrite Content  
MP: Magnitude Permeability  
NM: Non-Metallic Inclusion Test  
GS: Grain Size

\* 7 Heat Treatment  
A: Annealing  
T: Tempering  
Q: Quenching  
S: Solution Treatment