

Certificate Type EN 10204 / 3.1

Our Sales Order No	OA-SBD-FR-1415-0022	Invoice No	EXP/1415-366	Certificate No	2011-20804
Customer Order No	507019	Invoice Date	19/11/14	Date	19/11/14

Customer **DAMSTAHL a/s**
Denmarksvej 28
Skanderborg, DK-8660, Denmark

Trade Mark



Inspector's Mark



Material Details	Stainless Steel Grade 1 4404 Flat Bar Solution Annealed HRAP				
Steel Grade	316 / 316 L / 1 4401 / 1 4404	Shape	Flat Bar	Size	60X8 MM
Heat No	S-11432	Tolerance	EN10058	Length of Bars	4 80-5 30 Meter
Net Weight	1 088 MT	Number of Bars	54	Melting Process	EF/AOD/MEMS
Bundle No's	AG-8026, AG-8027				
Requirements	ASTM A 276 2010	DIN EN 10272 2008	PED 97/23/EC		

CHEMICAL ANALYSIS %

	C	Si	Mn	P	S	Cr	Mo	Ni	N2								
Min						16.5	2	10									
Max	0.03	1	2	0.045	0.03	18	2.5	13	0.1								
Melt	0.017	0.28	1.81	0.037	0.022	16.88	2.02	10.18	0.068								

MECHANICAL PROPERTIES

	YS/(Rp 0.2%) (N/mm2) ISO 6892-1 2009	UTS (N/mm2) ISO 6892-1 2009	% Elongation ISO 6892-1 2009	% Reduction Area ISO 6892-1 2009	Hardness (BHN) ISO 6506-1 2005	Charpy Impact V Notch (Longitudnal) (Joules)				
Min						Temp Deg (C)	RESULT			
Max							1	2	3	Avg
Results	390 25	401 25	48 23	63 20	206					

Heat Treatment

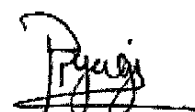
Solution Annealed @ 1050° C Soaking for 1 hr & Water Quenched

Remarks

- * Country Of Origin Of Goods - India
- * Free from Radioactivity - verified through Gamma Ray Spectrometer
- * No Mercury Contamination
- * Micro & Macro Test - Satisfactory
- * No welding has been performed on the material
- * Heat Treatment furnace calibrated as per AMS 2750E
- * Specimen Size for UTS - 12.50 mm / 0.50 inch
- * Visual & Dimensional Inspection - OK
- * Material Identification tested through X-ray based portable Spectrometer
- * IGC Test (as per DIN EN ISO 3651-2 1998) - OK
- * AD 2000 W2



0001214194



QA Head / NDT Inspector

AMBICA STEELS LIMITED

We confirm that the material is manufactured & supplied in accordance to the Purchase Order

Ambica Steels Limited

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