



MILL TEST CERTIFICATE

PANTECH STAINLESS & ALLOY INDUSTRIES SDN. BHD. (733428W)
(A MEMBER OF PANTECH GROUP HOLDINGS BERHAD, LISTED ON MAIN MARKET OF BURSA MALAYSIA)

PTD 2046334, JALAN PLATINUM UTAMA,
KAWASAN PERINDUSTRIAN PASIR GUDANG, ZON 12B, 81700 PASIR GUDANG
JOHOR DARUL TAKZIM, MALAYSIA
Tel: +607-2513838 Fax: +607-2513999 E-mail: info@pantechsteel.com
http://www.pantech-group.com



INSPECTION DOCUMENT: EN 10204: 2004 Type 3.1

Customer : Unimech Engineering (M) Sdn Bhd
Product : Welded Austenitic Stainless Steel Pipe



Cert. No.: IS09001-0047465

MATERIAL MANUFACTURER APPROVAL ACCORDING TO
PED 2014/68/EU, ANNEX I, PARA 4.3.
PED CERTIFICATE NO.:
0038/PED/MUM/1110006/1



Certificate No : PSA3-11869
Date : 30/11/2020

SIRM
Cert. No.: PP087201

NO. SUIL PENDAFTARAN : SPAN/KP/A/00883-2011

PO No.	Invoice No.	Product Specification	Dimensional & Inspection Specification	Delivery Condition										
APO-2007-0154	L000010757	ASTM A312/A312M - 19 / ASME SA312/SA312M - 19	ASTM A999/A999M - 18/ ASME SA999/SA999M - 19 B 36.19M-85 & B36.10M-04	Solution Treated, Pickled-Passivated, Plain Ends Square Cut										
Heat No.	Size	Grade	Quantity (Length)	Non Destructive Test	Inter-Granular Corrosion Test	Hydrostatic Test	Dimensional / PMI/ Visual Inspection							
JS059-10	1 inch Sch 40S x 6M	TP 316/316L	10	Eddy Current PASSED	Flattening PASSED	Pressure / Hold 2500 PSI, 5s PASSED	Result GOOD							
Chemical Composition (%)														
Specification	C	Si	Mn	P	S	Cr	Ni	Mo	Pb	YS (ksi / MPa)	TS (ksi / MPa)	E (%)	Hardness, HRB	Remarks
Max	0.035	1.00	2.00	0.045	0.030	18.00	14.00	3.00	-	-	-	-	90	
Min	-	-	-	-	-	16.00	10.00	2.00	-	205	515	35	-	
Heat No. JS059-10	0.018	0.61	0.95	0.031	0.002	16.62	10.05	2.03	< 0.01	327	585	57	87	

WE HEREBY CERTIFY THAT THE PRODUCT DESCRIBED HEREIN HAS BEEN MANUFACTURED, SAMPLED, TESTED & INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION & PURCHASE ORDER.

AND WAS FOUND SATISFIED TO THE REQUIREMENTS. MATERIAL IS FREE FROM MERCURY & RADIOACTIVE CONTAMINATION.

TENSILE REQUIREMENT, CONFORMS TO ASTM A370 - 12a STANDARD. SPECIMEN GAUGE WIDTH 19.2MM FOR 1" ABOVE, 1" INCLUDE AND BELOW DIRECT TEST FROM PIPE. LONGITUDINAL DIRECTION. GAUGE LENGTH 2" (50mm)

NOTE: MADE IN MALAYSIA STEEL MAKING PROCESS : AOD / VOD

WELDED BY ELECTRIC FUSION WELDING PROCESS WITH NO FILLER METAL

INTERGRANULAR CORROSION TEST ACCORDING TO ASTM A262-10 PRACTICE E

HARDNESS ACCORDING TO NACH-MR0175-2015 / ISO 15156-2015 & NACE-MR0103-2015

HEAT TREATMENT: SOLUTION TREATED AT MINIMUM 1050°C, RAPIDLY COOLED WITH WATER

CHEMICAL COMPOSITION CAPTURED FROM RAW MATERIALS HEAT ANALYSIS

*1: YS: YIELD STRENGTH TS: TENSILE STRENGTH E: ELONGATION

EDDY CURRENT ACCORDING TO ASTM E426-98 (Reapproved 2003) #1 REQUIREMENTS (REFERENCE TO ASTM A999/A999M-12 REQUIREMENTS, DISCONTINUITY ACC. TO CLAUSE 22.3.8.4. PROCEDURE ACC. TO CIA USEF 22.3.9)

*2: NH: Not Hydrostatically Tested

Signature of Head of Quality Assurance Department
Circular stamp: QMS MANAGER, PANTECH STEEL

Head of Quality Assurance Department



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PANTECH STAINLESS & ALLOY INDUSTRIES SDN. BHD. (733428W)
(A MEMBER OF PANTECH GROUP HOLDINGS BERHAD, LISTED ON MAIN MARKET OF BURSA MALAYSIA)

PTD 20434, JALAN PLATINUM UTAMA,
KAWASAN PERINDUSTRIAN PASIR GUDANG, ZON 12B, 81700 PASIR GUDANG,
JOHOR DARUL TAKZIM, MALAYSIA
Tel: +607-2518888 Fax: +607-2519999 E-mail: info@pantechsteel.com
http://www.pantech-group.com



INSPECTION DOCUMENT: EN 10204: 2004 Type 3.1

Customer : Unimech Engineering (M) Sdn Bhd
Product : Welded Austenitic Stainless Steel Pipe



Cert. No.: ISO9001-0047465

MATERIAL MANUFACTURER APPROVAL ACCORDING TO
PED 2014/68/EU ANNEX 1, PARA 4.3.
PED CERTIFICATE NO.:
0038/PED/MUM/1110066/1



SIRIM
Cert. No.: PP087201

Certificate No : PSA3-11879
Date : 07/12/2020

PO No.	Invoice No.	Product Specification		Dimensional & Inspection Specification										Delivery Condition	
		ASTM A312/A312M - 19 / ASME SA312/SA312M - 19	ASTM A999/A999M - 18 / ASME SA999/SA999M - 19 B 36.19M-85 & B36.10M-04	Grade	Quantity (Length)	Non Destructive Test		Inter-Granular Corrosion Test		Hydrostatic Test		Dimensional / PMI/ Visual Inspection		Solution Treated, Pickled-Passivated, Plain Ends Square Cut	
Heat No.	Size			Eddy Current	Flattening					Pressure / Hold	Result				
JS058-10	1 inch Sch 40S x 6M	TP 316/316L	1	PASSED	PASSED					2500 PSI, 5s	PASSED			GOOD	
JS059-10	1 inch Sch 40S x 6M	TP 316/316L	3	PASSED	PASSED					2500 PSI, 5s	PASSED			GOOD	
JS139-10	1 inch Sch 40S x 6M	TP 316/316L	70	PASSED	PASSED					2500 PSI, 5s	PASSED			GOOD	
Chemical Composition (%)															
Specification		C	Si	Mn	P	S	Cr	Ni	Mo	Pb	Tensile Test ¹⁾		Hardness, HRB		Remarks
Max		0.035	1.00	2.00	0.045	0.030	18.00	14.00	3.00	-	YS	TS	E		
Min		-	-	-	-	-	16.00	10.00	2.00	-	(KSI / MPa)	(%)			
Heat No.											205	515	35	90	
JS058-10		0.018	0.61	0.95	0.031	0.002	16.62	10.05	2.03	< 0.01	314	565	56	76	
JS059-10		0.018	0.61	0.95	0.031	0.002	16.62	10.05	2.03	< 0.01	327	585	57	87	
JS139-10		0.009	0.47	0.96	0.031	0.004	16.70	10.02	2.02	< 0.01	316	574	59	81	

WE HEREBY CERTIFY THAT THE PRODUCT DESCRIBED HEREIN HAS BEEN MANUFACTURED, SAMPLED, TESTED & INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION & PURCHASE ORDER.

AND WAS FOUND SATISFIED TO THE REQUIREMENTS. MATERIAL IS FREE FROM MERCURY & RADIOACTIVE CONTAMINATION.

TENSILE REQUIREMENT, CONFORMS TO ASTM A370 - 12a STANDARD. SPECIMEN GAUGE WIDTH 19.2MM FOR 'A' ABOVE, 1" INCLUDE AND BELOW DIRECTION. GAUGE LENGTH 2" (50mm)

NOTE: MADE IN MALAYSIA STEEL MAKING PROCESS: AOD / VOD

WELDED BY ELECTRIC FUSION WELDING PROCESS WITH NO FILLER METAL

INTERGRANULAR CORROSION TEST ACCORDING TO ASTM A262-10 PRACTICE E

HARDNESS ACCORDING TO NACE-MR0175-2015 / ISO 15156-2015 & NACE-MR0103-2015

HEAT TREATMENT: SOLUTION TREATED AT MINIMUM 1050°C, RAPIDLY COOLED WITH WATER

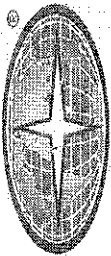
CHEMICAL COMPOSITION CAPTURED FROM RAW MATERIAL'S HEAT ANALYSIS

*1: YS: YIELD STRENGTH TS: TENSILE STRENGTH E: ELONGATION

*2: NEL: Not Hydrostatically Tested

EDDY CURRENT ACCORDING TO ASTM A576-98 (Reapproved 2003)¹⁾ REQUIREMENTS (REFERENCE TO ASTM A999/A999M-12 REQUIREMENTS; DISCONTINUITY ACC. TO CLAUSE 22.3.8.4. PROCEDURE ACC. TO CLAUSE 22.3.9)

Head of Quality Assurance Department



MILL TEST CERTIFICATE

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 SUTUHADJAYO PERKHIDMATAN AIR NEGARA
 NO. SUJIL PENDAFTARAN : SPAN/RP/A/00863-2011

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 http://www.pantech-group.com



INSPECTION DOCUMENT: EN 10204: 2004 Type 3.1

Customer : Unimech Engineering (M) Sdn Bhd
 Product : Welded Austenitic Stainless Steel Pipe

Cert. No.: ISO9001-0047465

MATERIAL MANUFACTURER APPROVAL ACCORDING TO
 PED 2014/68/EU, ANNEX 1, PAR 4.3.
 PED CERTIFICATE NO.:
 0058/PED/MUM/1110006/1

Certificate No : PSA3-11828
 Date : 21/10/2020



SIRM
 Cert. No.: PP087201

PO No.	Invoice No.	Product Specification		Dimensional & Inspection Specification				Delivery Condition																																																																																											
		ASTM A312/A312M - 19 / ASME SA312/SA312M - 19	ASTM A999/A999M - 18 / ASME SA999/SA999M - 19	B 36.19M-85 & B36.10M-04	Solution Treated, Pickled-Passivated, Plain Ends Square Cut	Hydrostatic Test	Dimensional / PMI/ Visual Inspection	Pressure / Hold	Result																																																																																										
Heat No.	JE055-10	Size	1/2 inch Sch 40S x 6M	Grade	TP 316/316L	Quantity (Length)	169	Non Destructive Test	Flattening	PASSED	Inter-Granular Corrosion Test	PASSED	Pressure / Hold	2500 PSI, 5s	Result	PASSED	GOOD																																																																																		
<table border="1"> <thead> <tr> <th rowspan="2">Specification</th> <th colspan="10">Chemical Composition (%)</th> <th colspan="3">Tensile Test^{*1}</th> <th rowspan="2">Hardness, HRB</th> <th rowspan="2">Remarks</th> </tr> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> <th>Pb</th> <th>YS -(ksi / MPa)</th> <th>TS</th> <th>E (%)</th> </tr> </thead> <tbody> <tr> <td>Max</td> <td>0.035</td> <td>1.00</td> <td>2.00</td> <td>0.045</td> <td>0.030</td> <td>18.00</td> <td>14.00</td> <td>3.00</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>90</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Min</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>16.00</td> <td>10.00</td> <td>2.00</td> <td>-</td> <td>205</td> <td>515</td> <td>35</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Heat No.</td> <td>0.016</td> <td>0.50</td> <td>0.99</td> <td>0.033</td> <td>0.001</td> <td>16.70</td> <td>10.18</td> <td>2.08</td> <td>< 0.01</td> <td>366</td> <td>572</td> <td>58</td> <td>85</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																		Specification	Chemical Composition (%)										Tensile Test ^{*1}			Hardness, HRB	Remarks	C	Si	Mn	P	S	Cr	Ni	Mo	Pb	YS -(ksi / MPa)	TS	E (%)	Max	0.035	1.00	2.00	0.045	0.030	18.00	14.00	3.00	-	-	-	-	90					Min	-	-	-	-	-	16.00	10.00	2.00	-	205	515	35	-					Heat No.	0.016	0.50	0.99	0.033	0.001	16.70	10.18	2.08	< 0.01	366	572	58	85				
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 TENSILE REQUIREMENT: CONFORMS TO ASTM A370 - 12a STANDARD. SPECIMEN GAUGE WIDTH 19.2MM FOR '1' ABOVE. '1' INCLUDE AND BELOW DIRECT TEST FROM PIPE LONGITUDINAL DIRECTION. GAUGE LENGTH: 2" (50mm)

NOTE: MADE IN MALAYSIA STEEL MAKING PROCESS: AOD / VOD
 WELDED BY ELECTRIC FUSION WELDING PROCESS WITH NO FILLER METAL
 INTERGRANULAR CORROSION TEST ACCORDING TO ASTM A262-10 PRACTICE E
 HARDNESS ACCORDING TO NACE-MR0175-2015 / ISO 15156-2015 & NACE-MR0103-2015
 HEAT TREATMENT: SOLUTION TREATED AT MINIMUM 1030°C, RAPIDLY COOLED WITH WATER
 CHEMICAL COMPOSITION CAPTURED FROM RAW MATERIALS HEAT ANALYSIS
 *1: YS: YIELD STRENGTH TS: TENSILE STRENGTH E: ELONGATION
 EDDY CURRENT ACCORDING TO ASTM E26-98 (Reapproved 2005)[†] REQUIREMENTS (REFERENCE TO ASTM A999/A999M-12 REQUIREMENTS, DISCONTINUITY ACC. TO CLAUSE 22.3.9)

Signature of Head of Quality Assurance Department
 Head of Quality Assurance Department
 OAC
 MANAGER
 HASSANUDDIN
 PANTECH STAINLESS & ALLOY INDUSTRIES SDN. BHD.



MILL TEST CERTIFICATE

PANTECH STAINLESS & ALLOY INDUSTRIES SDN. BHD. (733428W)
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INSPECTION DOCUMENT: EN 10204: 2004 Type 3.1

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 Product : Welded Austenitic Stainless Steel Pipe

Cert. No.: ISO9001-0047465

MATERIAL MANUFACTURER APPROVAL ACCORDING TO
 PED 2014/68/EU ANNEX 1, PARA 4.3.
 PED CERTIFICATE NO.:
 0038/PED/MUM/1110006/1



SIRM
 Cert. No.: PP087201

NO. SUJIL PENDAFTARAN : SPAN/K7/A/00883-2011

Certificate No : PSA3-11827
 Date : 21/10/2020



PO No.	Invoice No.	Product Specification		Dimensional & Inspection Specification				Delivery Condition																																																																					
		ASTM A312/A312M - 19 / ASME SA312/SA312M - 19	ASTM A999/A999M - 18 / ASME SA999/SA999M - 19	B. 36.19M.85 & B36.10M.04	Solution Treated, Pickled-Passivated, Plain Ends Square Cut	Hydrostatic Test	Pressure / Hold	Result	Dimensional / PMI/ Visual Inspection																																																																				
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TENSILE REQUIREMENT: CONFORMS TO ASTM A370 - 12a STANDARD, SPECIMEN GAUGE WIDTH 19.2MM FOR 1" ABOVE, 1" INCLUDE AND BELOW DIRECT TEST FROM PIPE LONGITUDINAL DIRECTION, GAUGE LENGTH 2" (50mm)

NOTE: MADE IN MALAYSIA STEEL MAKING PROCESS: AOD / VOD

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INTERGRANULAR CORROSION TEST ACCORDING TO ASTM A262-10 PRACTICE E

HARDNESS ACCORDING TO NACE-MR0175-2015 / ISO 15156-2015 & NACE-MR0103-2015

HEAT TREATMENT: SOLUTION TREATED AT MINIMUM 1050°C, RAPIDLY COOLED WITH WATER

CHEMICAL COMPOSITION CAPTURED FROM RAW MATERIAL'S HEAT ANALYSIS

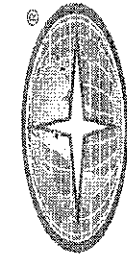
*1: YS, YIELD STRENGTH TS, TENSILE STRENGTH E: ELONGATION

EDDY CURRENT ACCORDING TO ASTM E426-98 (Reapproved 2003) *2: NHE, Not Hydrochemically Treated

REQUIREMENTS (REFERENCE TO ASTM A999/A999M, 12 REQUIREMENTS, DISCONTINUITY ACC. TO CLAUSE 22.3.8.4, PROCEDURE ACC. TO CLAUSE 22.3.9)

Signature of Head of Quality Assurance Department
 DACC MANAGER HASSANUDIN
 PANTECH INDUSTRIES SDN. BHD.

Head of Quality Assurance Department



MILL TEST CERTIFICATE

PANTECH STAINLESS & ALLOY INDUSTRIES SDN. BHD. (733428W)
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 0038/PED/MUM/1310006/1

Certificate No : PSA3-11834
 Date : 28/10/2020



SIRIM
 Cert. No.: PP087201

Sufahriyah Perhidmatan Air Negara
 NO. SUKIL PENDAFARAN : SPAN/KPIA/00883-2011

PO No.	Invoice No.	Product Specification	Dimensional & Inspection Specification				Delivery Condition			
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				Eddy Current	Flattening	Inter-Granular Corrosion Test				
FSA119-04113	2 inch Sch 40S x 6M	TP 316/316L	36	PASSED	PASSED	PASSED	2500 PSI, 5s	PASSED	GOOD	
JG023-10	2 inch Sch 40S x 6M	TP 316/316L	38	PASSED	PASSED	PASSED	2500 PSI, 5s	PASSED	GOOD	
Chemical Composition (%)										
Specification	C	Mn	P	S	Cr	Ni	Mo	Pb	Tensile Test ¹	Hardness, HRB
	0.035	2.00	0.045	0.030	18.00	14.00	3.00	-		
Max	-	-	-	-	16.00	10.00	2.00	-	205	35
Min	0.017	0.96	0.032	0.002	16.82	10.20	2.08	< 0.01	302	52
Heat No.	0.024	1.19	0.026	0.001	16.70	10.04	2.03	< 0.01	313	58
FSA119-04113										
JG023-10										

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AND WAS FOUND SATISFIED TO THE REQUIREMENTS. MATERIAL IS FREE FROM MERCURY & RADIOACTIVE CONTAMINATION

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NOTE: MADE IN MALAYSIA STEEL MAKING PROCESS: AOD / VOD

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INTERGRANULAR CORROSION TEST ACCORDING TO ASTM A262-10 PRACTICE E

HARDNESS ACCORDING TO NACE-MR0175-2015/ISO 15156-2015 & NACE-MR0103-2015

HEAT TREATMENT: SOLUTION TREATED AT MINIMUM 1050°C. RAPIDLY COOLED WITH WATER

CHEMICAL COMPOSITION CAPTURED FROM RAW MATERIAL'S HEAT ANALYSIS

*1: YS: YIELD STRENGTH IS TENSILE STRENGTH E: ELONGATION

EDDY CURRENT ACCORDING TO ASTM E426-98 (Reapproved 2003)*2: REQUIREMENTS (REFERENCE TO ASTM A999/A999M-12 REQUIREMENTS, DISCONTINUITY ACC. TO CLAUSE 22.3.8.4. PROCEDURE ACC. TO CLAUSE 22.3.9)

Head of Quality Assurance Department

(Signature)

OAC
 MANAGER
 HASSANUDIN



MILL TEST CERTIFICATE

PANTECH STAINLESS & ALLOY INDUSTRIES SDN. BHD. (733428W)
(A MEMBER OF PANTECH GROUP HOLDINGS BERHAD. LISTED ON MAIN MARKET OF BURSA MALAYSIA)

PTD 204334, JALAN PLATINUM UTAMA,
KAWASAN PERINDUSTRIAN PASIR GUDANG, ZON 12B, 31700 PASIR GUDANG
JOHOR DARUL TAKZIM, MALAYSIA
Tel: +607-2518888 Fax: +607-2519999 E-mail: info@pantechsteel.com
http://www.pantech-group.com

INSPECTION DOCUMENT: EN 10204: 2004 Type 3.1

Customer : Unimech Engineering (M) Sdn Bhd
Product : Welded Austenitic Stainless Steel Pipe



Cert. No.: ISO9001-0047465

MATERIAL MANUFACTURER APPROVAL ACCORDING TO
PED 2014/68/EU, ANNEX 1, PARA 4.3.
PED CERTIFICATE NO.:
0038/PED/NUM/1110006/1



SIRM
Cert. No.: PP087201



Suruhanjaya Perkhidmatan Air, Negara
NO. SURJ. PENDAFTARAN - SPAN/MP/A/00883-2011

Certificate No : PSA3-11853
Date : 24/11/2020

PO No.	Invoice No.	Product Specification	Dimensional & Inspection Specification		Delivery Condition										
			ASTM A312/A312M - 19 / ASME SA312/SA312M - 19	ASTM A999/A999M - 19/ ASME SA999/SA999M - 19 B 36.19M-85 & B36.10M-04											
APO-2009-0086	L000010652				Solution Treated, Pickled-Passivated, Plain Ends Square Cut										
Heat No.	Size	Grade	Quantity (Length)	Non Destructive Test	Dimensional / PMI/ Visual Inspection										
JS057-10	1/2 inch Sch 40S x 6M	TP 316/316L	6	Eddy Current Flattening	Hydrostatic Test Pressure / Hold 2500 PSI, 5s										
				PASSED PASSED	Result PASSED										
					GOOD										
Chemical Composition (%)															
Specification	C	Si	Mn	P	S	Cr	Ni	Mo	Pb	Tensile Test ¹		Hardness, HRB	Remarks		
Max	0.035	1.00	2.00	0.045	0.030	18.00	14.00	3.00	-	YS MPa	TS MPa			E (%)	
Min	-	-	-	-	-	16.00	10.00	2.00	-	205	515			35	
Heat No.	0.019	0.54	0.95	0.032	0.001	18.68	10.05	2.02	< 0.01	360	583			59	
JS057-10															

WE HEREBY CERTIFY THAT THE PRODUCT DESCRIBED HEREIN HAS BEEN MANUFACTURED, SAMPLED, TESTED & INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION & PURCHASE ORDER.

AND WAS FOUND SATISFIED TO THE REQUIREMENTS. MATERIAL IS FREE FROM MERCURY & RADIOACTIVE CONTAMINATION.

TENSILE REQUIREMENT: CONFORMS TO ASTM A370 - 12a STANDARD. SPECIMEN GAGE WIDTH 19.2MM FOR 1" ABOVE, 1" INCLUDE AND BELOW DIRECT TEST FROM PIPE. LONGITUDINAL DIRECTION. GAUGE LENGTH 12" (50mm)

NOTE: MADE IN MALAYSIA STEEL MAKING PROCESS : AOD / VOD

WELDED BY ELECTRIC FUSION WELDING PROCESS WITH NO FILLER METAL.

INTERGRANULAR CORROSION TEST ACCORDING TO ASTM A262-10 PRACTICE E

HARDNESS ACCORDING TO NACE-MR0175-2015 / ISO 15156-2015 & NACE-MR0103-2015

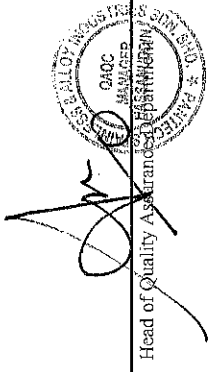
HEAT TREATMENT: SOLUTION TREATED AT MINIMUM 1050°C, RAPIDLY COOLED WITH WATER

CHEMICAL COMPOSITION CAPTURED FROM RAW MATERIAL'S HEAT ANALYSIS

*1: YS: YIELD STRENGTH TS: TENSILE STRENGTH E: ELONGATION

*2: NIT: Not Hydrostatically Tested

FIDDY CURRENT ACCORDING TO ASTM E426-98 (Reapproved 2003)¹ REQUIREMENTS (REFERENCE TO ASTM A999/A999M-12 REQUIREMENTS, DISCONTINUITY ACC. TO CLAUSE 22.3.8.4, PROCEDURE ACC. TO CLAUSE 22.3.9)



Head of Quality Assurance