

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
Tubular Products**

273 Genl. Hertzog Rd
Peacehaven Vereeniging 1939
PO Box 48 Vereeniging 1930
South Africa

Telephone +27 (0)16 450 4220
Fax +27 (0)16 423 4906

MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

Steelmaking Facility
ArcelorMittal South Africa Ltd
Iscor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Order No (A08):	4000030100	Contract No/Customer Order (A07):	SUS4 180836
Certificate Reference No (A03):	040062837786	Material No:	1000042311
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES	Cast/Heat No (B07):	2302514
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21	Page 1 of 1	
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 05-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 5.563 0.258 40.027 B/X42 PSL1 SMLS CAST NO: 2302514 PROD/ONO: T0343010010 TESTED 3000 psi 585.3 lbs NDE MADE IN RSA		

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
178(ea)	104,202.888(lb)	5.563(")	0.258(")	40.027(ft)	7,124.806(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

R05-(Cr+Ni+Mo+Cu+V)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.110	0.23	1.17	0.005	0.009	0.03	0.01	0.001	0.012	0.043	0.027	0.002	0.002	0.0021	0.0088	0.0005	0.0010	0.32		
Product	0.10	0.23	1.24	0.005	0.007	0.02	0.02	0.004	0.010	0.047	0.025	0.000	0.000	0.0011	0.0074	0.0004	0.0010	0.32	0.048	0.048
Product (ADD)	0.11	0.23	1.24	0.005	0.007	0.02	0.02	0.004	0.010	0.047	0.024	0.000	0.000	0.0011	0.0087	0.0005	0.0010	0.33	0.048	0.048

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 1 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	73 534	58 160	34.0
(2) Actual	74 695	59 321	36.0

OTHER TESTS	
Category	Results
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	159 163 164

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: MMakgoba

Date of Release: 2023.05.22

Certified by:

We hereby certify that the material was manufactured, tested and inspected to and fully comply with the requirements of referenced specifications. No changes, amendments or additions may be made to this document. Any changes which are effected shall invalidate this certificate.

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 Iscor Road
 Newcastle 2940
 PO Box, Newcastle 2940
 South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030092	Material No:	1000042281
Certificate Reference No (A03):	040062838455	Cast/Heat No (B07):	2302513
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 05-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 2.375 0.218 20.014 B/X42 PSL1 SMLS CAST NO: 2302513 PROD/ONO: T0343009210 NDE TESTED 3000 psi MADE IN RSA		

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length	Steel making process (C70)	Final Rolling Operation (B04)
		Tube OD	Thickness	Length			
1,056(ea)	106,229.268(lb)	2.375(")	0.218(")	20.014(ft)	21,134.784(ft)	Basic Oxygen Furnace	As Rolled Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

Element(%)	R05-(Cr+Ni+Mo+Cu+V)						R22-(V+Nb+Ti)						R24-(Nb+V)							
	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.110	0.24	1.15	0.004	0.008	0.02	0.01	0.001	0.012	0.043	0.024	0.002	0.001	0.0013	0.0101	0.0005	0.0010	0.32		
Product	0.10	0.23	1.19	0.005	0.007	0.02	0.02	0.004	0.010	0.041	0.025	0.000	0.001	0.0022	0.0076	0.0005	0.0010	0.31	0.042	0.042
Product (ADD)	0.12	0.24	1.20	0.006	0.008	0.02	0.02	0.004	0.010	0.042	0.027	0.001	0.002	0.0034	0.0084	0.0006	0.0010	0.34	0.044	0.043

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.761 Inch
 Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch	OTHER TESTS		OTHER TESTS	
				Category	Results	Category	Results
Minimum	70 000	42 100	30.0	Bending (D51-D99)	PASSED	NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
Maximum	-	-	-	Flattening (D51-D99)	PASSED	NDI: UT (D02-D50)	UT not required
(1) Actual	74 259	59 176	35.0	Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec	HV 22 lbs C31	162 164 165
(2) Actual	76 435	60 771	37.0				

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.
 Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: MMakgoba

Date of Release: 2023.05.28

Certified by:

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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
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ISO9001:2015
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**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Isacor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030094	Material No:	1000042391
Certificate Reference No (A03):	040062839036	Cast/Heat No (B07):	2302713
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 06-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 2.375 0.436 40.027 B/X42 PSL1 SMLS CAST NO: 2302713 PROD/ONO: T0343009410 NDE TESTED 3000 psi MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
136(ea)	49,159.405(lb)	2.375(")	0.436(")	40.027(ft)	5,443.672(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

R05-(Cr+Ni+Mo+Cu+V)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.120	0.25	1.17	0.004	0.013	0.03	0.02	0.004	0.016	0.044	0.029	0.001	0.002	0.0010	0.0090	0.0002	0.0010	0.33		
Product	0.11	0.25	1.23	0.006	0.013	0.03	0.03	0.007	0.010	0.044	0.027	0.001	0.002	0.0016	0.0103	0.0006	0.0000	0.33	0.045	0.044
Product (ADD)	0.11	0.24	1.22	0.006	0.013	0.02	0.03	0.007	0.010	0.043	0.026	0.001	0.002	0.0017	0.0052	0.0005	0.0000	0.33	0.044	0.043

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.75 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	74 259	59 030	33.0
(2) Actual	76 435	60 191	36.0

OTHER TESTS	
Category	Results
Bending (D51-D99)	PASSED
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	162 164 167

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2023.06.04

Certified by:

We hereby certify that the material was manufactured, tested and inspected to and fully comply with the requirements of referenced specifications. No changes, amendments or additions may be made to this document. Any changes which are effected shall invalidate this certificate.

Heat: 2302514
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Order: 3356223 Line: 1
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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Isacor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030094	Material No:	1000042391
Certificate Reference No (A03):	040062836110	Cast/Heat No (B07):	2300990
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 05-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 2.375 0.436 40.027 B/X42 PSL1 SMLS CAST NO: 2300990 PROD/ONO: RW0242990510 NDE TESTED 3000 psi MADE IN RSA		

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General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
84(ea)	30,363.162(lb)	2.375(")	0.436(")	40.027(ft)	3,362.268(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

R05-(Cr+Ni+Mo+Cu+V)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.100	0.24	1.30	0.005	0.012	0.02	0.02	0.004	0.013	0.035	0.031	0.001	0.002	0.0024	0.0102	0.0004	0.0120	0.33		
Product	0.11	0.24	1.30	0.005	0.012	0.03	0.03	0.007	0.020	0.037	0.028	0.000	0.001	0.0018	0.0074	0.0005	0.0120	0.34	0.049	0.049
Product (ADD)	0.11	0.24	1.30	0.006	0.012	0.03	0.03	0.007	0.020	0.037	0.027	0.000	0.001	0.0023	0.0073	0.0004	0.0120	0.34	0.049	0.049

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.765 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	74 404	59 321	40.0
(2) Actual	76 290	60 191	43.0

OTHER TESTS	
Category	Results
Bending (D51-D99)	PASSED
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	161 164 164

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2023.05.05

Certified by:

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Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030093	Material No:	1000043340
Certificate Reference No (A03):	040062836115	Cast/Heat No (B07):	2300988
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 05-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 2.375 0.436 20.014 B/X42 PSL1 SMLS CAST NO: 2300988 PROD/ONO: RW0142983210 NDE TESTED 3000 psi MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
42(ea)	7,590.791(lb)	2.375(")	0.436(")	20.014(ft)	840.588(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

R05-(Cr+Ni+Mo+Cu+V)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.110	0.24	1.27	0.005	0.006	0.02	0.01	0.003	0.007	0.033	0.032	0.001	0.002	0.0017	0.0077	0.0005	0.0110	0.33		
Product	0.110	0.240	1.300	0.004	0.013	0.03	0.02	0.005	0.010	0.036	0.028	0.000	0.001	0.0016	0.0074	0.0004	0.0120	0.34	0.05	0.05
Product (ADD)	0.110	0.240	1.300	0.004	0.013	0.03	0.02	0.005	0.010	0.036	0.028	0.000	0.001	0.0016	0.0097	0.0005	0.0110	0.34	0.05	0.05

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.764 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	73 244	55 985	43.0
(2) Actual	75 275	57 290	45.0

OTHER TESTS	
Category	Results
Bending (D51-D99)	PASSED
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	159 163 164

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2023.05.05

Certified by:

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

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273 Genl. Hertzog Rd
Peacehaven Vereeniging 1939
PO Box 48 Vereeniging 1930
South Africa

Telephone +27 (0)16 450 4220
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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

Steelmaking Facility
ArcelorMittal South Africa Ltd
Mario Milani Road, Peacehaven
Vereeniging 1939
PO Box 48, Vereeniging 1930
South Africa



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030093	Material No:	1000043340
Certificate Reference No (A03):	040062819588	Cast/Heat No (B07):	38B2703
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 10-22 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 2.375 0.436 20.014 B/X42 PSL1 SMLS CAST NO: 38B2703 PROD/ONO: T1042958510 NDE TESTED 3000 psi MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
36(ea)	6,506.392(lb)	2.375(")	0.436(")	20.014(ft)	720.504(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Electric Arc	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

R05-(Cr+Ni+Mo+Cu+V)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.132	0.26	1.20	0.006	0.015	0.10	0.06	0.026	0.090	0.005	0.029	0.015	0.004	0.0021	0.0100	0.0004	0.0260	0.37		
Product	0.15	0.25	1.18	0.006	0.015	0.10	0.06	0.026	0.090	0.004	0.027	0.014	0.005	0.0019	0.0000	0.0005	0.0260	0.38	0.044	0.030
Product (ADD)	0.16	0.25	1.19	0.005	0.015	0.10	0.06	0.026	0.090	0.004	0.037	0.015	0.006	0.0030	0.0072	0.0005	0.0260	0.39	0.045	0.030

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.737 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	71 504	47 718	36.0
(2) Actual	74 114	49 313	39.0

OTHER TESTS	
Category	Results
Bending (D51-D99)	PASSED
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	158 160 160

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2022.10.25

Certified by:

Heat: 2302514
 Your PO: 247032

Order: 3356223 Line: 1
 Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

ArcelorMittal South Africa Limited
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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
 Licensed under
 API 5L
 API 5CT
 ISO9001:2015
 PED2014/08/EU

Steelmaking Facility
ArcelorMittal South Africa Ltd
 Iscor Road
 Newcastle 2940
 PO Box, Newcastle 2940
 South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030099	Material No:	1000042592
Certificate Reference No (A03):	040062841768	Cast/Heat No (B07):	2302725
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 07-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 3.500 0.600 20.014 B/X42 PSL1 SMLS CAST NO: 2302725 PROD/ONO: T0343009910R NDE TESTED 3000 psi MADE IN RSA		

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length	Steel making process (C70)	Final Rolling Operation (B04)
		Tube OD	Thickness	Length			
150(ea)	55,843.620(lb)	3.500(")	0.600(")	20.014(ft)	3,002.100(ft)	Basic Oxygen Furnace	As Rolled Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

Element(%)	R05-(Cr+Ni+Mo+Cu+V)						R22-(V+Nb+Ti)						R24-(Nb+V)							
	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.110	0.26	1.17	0.006	0.012	0.03	0.01	0.002	0.011	0.047	0.026	0.001	0.003	0.0014	0.0097	0.0003	0.0010	0.32		
Product	0.10	0.25	1.21	0.009	0.012	0.03	0.02	0.005	0.010	0.046	0.024	0.000	0.001	0.0012	0.0114	0.0005	0.0010	0.32	0.047	0.047
Product (ADD)	0.11	0.25	1.22	0.009	0.012	0.03	0.02	0.005	0.010	0.046	0.023	0.000	0.001	0.0013	0.0114	0.0005	0.0010	0.33	0.047	0.047

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.765 Inch
 Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch	OTHER TESTS		OTHER TESTS	
				Category	Results	Category	Results
Minimum	70 000	42 100	30.0	Flattening (D51-D99)	PASSED	NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
Maximum	-	-	-	Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec	NDI: UT (D02-D50)	UT not required
(1) Actual	70 779	51 343	39.0			HV 22 lbs C31	153 155 156
(2) Actual	71 794	53 229	42.0				

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.
 Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: **2023.07.07**

Certified by:

We hereby certify that the material was manufactured, tested and inspected to and fully comply with the requirements of referenced specifications. No changes, amendments or additions may be made to this document. Any changes which are effected shall invalidate this certificate.

Heat: 2302514
 Your PO: 247032

Order: 3356223 Line: 1
 Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
 Licensed under
 API 5L
 API 5CT
 ISO9001:2015
 PED2014/08/EU

Steelmaking Facility
ArcelorMittal South Africa Ltd
 Iscor Road
 Newcastle 2940
 PO Box, Newcastle 2940
 South frica



Customer (A06):	Texas Pipe & Supply Company, LTD	Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030092	Material No:	1000042281
Certificate Reference No (A03):	040062838470	Cast/Heat No (B07):	2302515
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 05-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 2.375 0.218 20.014 B/X42 PSL1 SMLS CAST NO: 2302515 PROD/ONO: T0343009210 NDE TESTED 3000 psi MADE IN RSA		

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length	Steel making process (C70)	Final Rolling Operation (B04)
		Tube OD	Thickness	Length			
519(ea)	52,209.271(lb)	2.375(")	0.218(")	20.014(ft)	10,387.266(ft)	Basic Oxygen Furnace	As Rolled Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

Element(%)	R22-(V+Nb+Ti)							R24-(Nb+V)													
	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24	
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43			
Heat	0.110	0.23	1.18	0.005	0.008	0.03	0.01	0.001	0.011	0.047	0.027	0.002	0.001	0.0010	0.0100	0.0005	0.0010	0.32			
Product	0.10	0.22	1.20	0.006	0.006	0.02	0.02	0.003	0.010	0.045	0.023	0.000	0.002	0.0020	0.0085	0.0005	0.0010	0.32	0.046	0.046	
Product (ADD)	0.10	0.22	1.19	0.006	0.006	0.02	0.02	0.003	0.010	0.045	0.023	0.000	0.002	0.0021	0.0105	0.0005	0.0010	0.31	0.046	0.046	

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.764 Inch
 Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch	OTHER TESTS		OTHER TESTS	
				Category	Results	Category	Results
Minimum	70 000	42 100	30.0	Bending (D51-D99)	PASSED	NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
Maximum	-	-	-	Flattening (D51-D99)	PASSED	NDI: UT (D02-D50)	UT not required
(1) Actual	73 824	51 343	36.0	Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec	HV 22 lbs C31	160 163 165
(2) Actual	75 710	53 519	34.0				

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.
 Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: MMakgoba

Date of Release: 2023.05.28

Certified by:

We hereby certify that the material was manufactured, tested and inspected to and fully comply with the requirements of referenced specifications. No changes, amendments or additions may be made to this document. Any changes which are effected shall invalidate this certificate.

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Isacor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	400062823272	Material No:	1000042292
Certificate Reference No (A03):	040062823272	Cast/Heat No (B07):	2204014
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 11-22 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 6.625 0.432 20.014 B/X42 PSL1 SMLS CAST NO: 2204014 PROD/ONO: T1042961510 TESTED 3000 psi 572.3 lbs NDE MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
30(ea)	17,170.748(lb)	6.625(")	0.432(")	20.014(ft)	600.420(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

R05-(Cr+Ni+Mo+Cu+V)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.110	0.23	1.27	0.003	0.010	0.04	0.02	0.003	0.017	0.033	0.027	0.001	0.002	0.0022	0.0081	0.0004	0.0130	0.34		
Product	0.17	0.30	0.92	0.004	0.011	0.15	0.16	0.002	0.010	0.002	0.036	0.001	0.001	0.0009	0.0091	0.0004	0.0010	0.37	0.004	0.003
Product (ADD)	0.17	0.31	0.92	0.004	0.011	0.15	0.16	0.001	0.010	0.003	0.037	0.002	0.001	0.0010	0.0129	0.0005	0.0030	0.37	0.008	0.006

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 1 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	70 343	45 542	39.0
(2) Actual	72 229	46 702	41.0

OTHER TESTS	
Category	Results
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	155 157 158

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2022.12.04

Certified by:

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
Tubular Products**

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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Iscor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030102	Material No:	1000042314
Certificate Reference No (A03):	040062840122	Cast/Heat No (B07):	2302804
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 06-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 6.625 0.280 20.014 B/X42 PSL1 SMLS CAST NO: 2302804 PROD/ONO: T0343010210 TESTED 3000 psi 380.1 lbs NDE MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
250(ea)	95,018.260(lb)	6.625(")	0.280(")	20.014(ft)	5,003.500(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

R05-(Cr+Ni+Mo+Cu+V)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.180	0.30	0.98	0.004	0.012	0.16	0.15	0.005	0.012	0.003	0.030	0.003	0.004	0.0038	0.0092	0.0005	0.0010	0.39		
Product	0.18	0.29	1.03	0.005	0.012	0.15	0.16	0.004	0.010	0.004	0.030	0.001	0.002	0.0023	0.0046	0.0004	0.0000	0.39	0.005	0.004
Product (ADD)	0.18	0.29	1.02	0.005	0.012	0.15	0.16	0.004	0.010	0.004	0.029	0.001	0.002	0.0023	0.0039	0.0004	0.0000	0.39	0.005	0.004

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 1 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	77 015	51 488	39.0
(2) Actual	75 710	50 473	36.0

OTHER TESTS	
Category	Results
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	161 164 166

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2023.06.16

Certified by:

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
Tubular Products**

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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Isacor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030104	Material No:	1000042292
Certificate Reference No (A03):	040062839885	Cast/Heat No (B07):	2302759
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 06-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 6.625 0.432 20.014 B/X42 PSL1 SMLS CAST NO: 2302759 PROD/ONO: T0343010410 TESTED 3000 psi 572.3 lbs NDE MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
68(ea)	38,920.361(lb)	6.625(")	0.432(")	20.014(ft)	1,360.952(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

R05-(Cr+Ni+Mo+Cu+V)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.110	0.25	1.14	0.003	0.006	0.05	0.02	0.005	0.014	0.041	0.035	0.003	0.003	0.0001	0.0166	0.0005	0.0010	0.32		
Product	0.10	0.23	1.17	0.003	0.005	0.04	0.02	0.007	0.010	0.040	0.034	0.002	0.002	0.0003	0.0120	0.0004	0.0000	0.31	0.042	0.040
Product (ADD)	0.11	0.24	1.17	0.003	0.004	0.04	0.02	0.007	0.010	0.040	0.034	0.002	0.001	0.0003	0.0120	0.0005	0.0010	0.32	0.043	0.041

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 1 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	76 000	64 397	40.0
(2) Actual	77 305	65 267	43.0

OTHER TESTS	
Category	Results
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	159 160 166

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2023.06.14

Certified by:

We hereby certify that the material was manufactured, tested and inspected to and fully comply with the requirements of referenced specifications. No changes, amendments or additions may be made to this document. Any changes which are effected shall invalidate this certificate.

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
Tubular Products**

273 Genl. Hertzog Rd
Peacehaven Vereeniging 1939
PO Box 48 Vereeniging 1930
South Africa

Telephone +27 (0)16 450 4220
Fax +27 (0)16 423 4906

MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Isacor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030095	Material No:	1000042288
Certificate Reference No (A03):	040062839032	Cast/Heat No (B07):	2302519
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 06-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 2.875 0.276 40.027 B/X42 PSL1 SMLS CAST NO: 2302519 PROD/ONO: T0343009510 NDE TESTED 3000 psi MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
38(ea)	11,658.939(lb)	2.875(")	0.276(")	40.027(ft)	1,521.026(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

Element(%)	R05-(Cr+Ni+Mo+Cu+V)						R22-(V+Nb+Ti)						R24-(Nb+V)							
	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.110	0.24	1.17	0.004	0.008	0.02	0.02	0.001	0.012	0.043	0.028	0.001	0.001	0.0007	0.0108	0.0006	0.0010	0.32		
Product	0.11	0.22	1.18	0.005	0.006	0.01	0.03	0.004	0.010	0.044	0.021	0.000	0.001	0.0015	0.0055	0.0005	0.0000	0.32	0.044	0.044
Product (ADD)	0.10	0.22	1.18	0.006	0.006	0.01	0.03	0.004	0.010	0.044	0.020	0.000	0.001	0.0018	0.0090	0.0005	0.0000	0.31	0.044	0.044

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.75 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	74 259	59 030	33.0
(2) Actual	76 435	60 191	36.0

OTHER TESTS	
Category	Results
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	162 164 167

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2023.06.04

Certified by:

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
Tubular Products**

273 Genl. Hertzog Rd
Peacehaven Vereeniging 1939
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South Africa

Telephone +27 (0)16 450 4220
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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Iscor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):	Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	Material No:	1000042393
Certificate Reference No (A03):	Cast/Heat No (B07):	2205225
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES	
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21	
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 04-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 3.500 0.438 40.027 B/X42 PSL1 SMLS CAST NO: 2205225 PROD/ONO: T0343009810 NDE TESTED 3000 psi MADE IN RSA	

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
10(ea)	5,740.999(lb)	3.500(")	0.438(")	40.027(ft)	400.270(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
Final hot rolling finished above 1580°F and cooled in still air	

Chemical Composition: (C71-C92)

R05-(Cr+Ni+Mo+Cu+V)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.180	0.28	0.91	0.004	0.014	0.15	0.15	0.004	0.008	0.003	0.033	0.002	0.001	0.0021	0.0078	0.0004	0.0010	0.37		
Product	0.18	0.28	0.89	0.005	0.013	0.15	0.15	0.005	0.010	0.005	0.030	0.002	0.001	0.0021	0.0075	0.0004	0.0000	0.37	0.007	0.005
Product (ADD)	0.18	0.28	0.90	0.004	0.014	0.15	0.15	0.005	0.010	0.005	0.031	0.002	0.001	0.0020	0.0061	0.0004	0.0000	0.37	0.007	0.005

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.764 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	72 084	48 298	42.0
(2) Actual	74 404	50 908	45.0

OTHER TESTS	
Category	Results
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	157 160 160

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: **2023.04.30**

Certified by:

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
Tubular Products**

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Peacehaven Vereeniging 1939
PO Box 48 Vereeniging 1930
South Africa

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Fax +27 (0)16 423 4906

MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Isacor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030101	Material No:	1000042312
Certificate Reference No (A03):	040062837480	Cast/Heat No (B07):	2302517
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 05-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 5.563 0.375 20.014 B/X42 PSL1 SMLS CAST NO: 2302517 PROD/ONO: T0343010110 TESTED 3000 psi 416.5 lbs NDE MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
110(ea)	45,809.383(lb)	5.563(")	0.375(")	20.014(ft)	2,201.540(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

Element(%)	R05-(Cr+Ni+Mo+Cu+V)						R22-(V+Nb+Ti)						R24-(Nb+V)							
	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.100	0.24	1.18	0.004	0.008	0.02	0.01	0.001	0.014	0.042	0.026	0.002	0.002	0.0016	0.0116	0.0006	0.0010	0.31		
Product	0.09	0.24	1.24	0.005	0.007	0.02	0.02	0.004	0.010	0.043	0.026	0.000	0.001	0.0012	0.0065	0.0003	0.0000	0.31	0.043	0.043
Product (ADD)	0.09	0.24	1.22	0.004	0.007	0.02	0.02	0.004	0.010	0.042	0.026	0.000	0.001	0.0011	0.0116	0.0003	0.0000	0.31	0.042	0.042

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 1 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	71 214	47 427	41.0
(2) Actual	73 969	49 168	44.0

OTHER TESTS	
Category	Results
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	157 161 162

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2023.05.18

Certified by:

Heat: 2302514
 Your PO: 247032

Order: 3356223 Line: 1
 Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

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Tubular Products
 273 Genl. Hertzog Rd
 Peacehaven Vereeniging 1939
 PO Box 48 Vereeniging 1930
 South Africa
 Telephone +27 (0)16 450 4220
 Fax +27 (0)16 423 4906

MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
 Licensed under
 API 5L
 API 5CT
 ISO9001:2015
 PED2014/08/EU

Steelmaking Facility
ArcelorMittal South Africa Ltd
 Iscor Road
 Newcastle 2940
 PO Box, Newcastle 2940
 South frica



Customer (A06):	-	Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030105	Material No:	1000042293
Certificate Reference No (A03):	040062840627	Cast/Heat No (B07):	2302781
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 06-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 6.625 0.432 40.027 B/X42 PSL1 SMLS CAST NO: 2302781 PROD/ONO: T0343010510R TESTED 3000 psi 1144.6 lbs NDE MADE IN RSA		

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length	Steel making process (C70)	Final Rolling Operation (B04)
		Tube OD	Thickness	Length			
96(ea)	109,892.784(lb)	6.625(")	0.432(")	40.027(ft)	3,842.592(ft)	Basic Oxygen Furnace	As Rolled Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

Element(%)	R05-(Cr+Ni+Mo+Cu+V)						R22-(V+Nb+Ti)						R24-(Nb+V)							
	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
Heat	0.110	0.24	1.19	0.005	0.007	0.03	0.02	0.003	0.013	0.043	0.035	0.002	0.003	0.0008	0.0079	0.0003	0.0010	0.33		
Product	0.12	0.24	1.24	0.006	0.007	0.02	0.02	0.006	0.010	0.041	0.034	0.001	0.002	0.0010	0.0080	0.0004	0.0000	0.34	0.042	0.041
Product (ADD)	0.12	0.24	1.24	0.006	0.007	0.02	0.02	0.007	0.010	0.041	0.034	0.001	0.002	0.0010	0.0080	0.0005	0.0000	0.34	0.042	0.041

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 1 Inch
 Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch	OTHER TESTS		OTHER TESTS	
				Category	Results	Category	Results
Minimum	70 000	42 100	30.0	Flattening (D51-D99)	PASSED	NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
Maximum	-	-	-	Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec	NDI: UT (D02-D50)	UT not required
(1) Actual	71 504	58 015	36.0			HV 22 lbs C31	158 161 161
(2) Actual	72 954	59 466	39.0				

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.
 Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: **2023.06.26**

Certified by:

We hereby certify that the material was manufactured, tested and inspected to and fully comply with the requirements of referenced specifications. No changes, amendments or additions may be made to this document. Any changes which are effected shall invalidate this certificate.

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
Tubular Products**

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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Isacor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030100	Material No:	1000042311
Certificate Reference No (A03):	040062837718	Cast/Heat No (B07):	2302518
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 05-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 5.563 0.258 40.027 B/X42 PSL1 SMLS CAST NO: 2302518 PROD/ONO: T0343010010 TESTED 3000 psi 585.3 lbs NDE MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
21(ea)	12,293.599(lb)	5.563(")	0.258(")	40.027(ft)	840.567(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

Element(%)	R22-(V+Nb+Ti)							R24-(Nb+V)													
	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24	
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43			
Heat	0.100	0.24	1.16	0.004	0.009	0.02	0.01	0.001	0.012	0.043	0.030	0.001	0.001	0.0010	0.0120	0.0005	0.0010	0.31			
Product	0.12	0.24	1.19	0.004	0.005	0.02	0.02	0.003	0.010	0.042	0.021	0.000	0.001	0.0015	0.0089	0.0005	0.0010	0.33	0.043	0.043	
Product (ADD)	0.12	0.24	1.19	0.004	0.005	0.02	0.02	0.003	0.010	0.042	0.020	0.000	0.001	0.0013	0.0106	0.0005	0.0010	0.33	0.043	0.043	

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 1 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	75 275	58 450	34.0
(2) Actual	72 229	57 145	32.0

OTHER TESTS	
Category	Results
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	162 162 158

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2023.05.22

Certified by:

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
Tubular Products**

273 Genl. Hertzog Rd
Peacehaven Vereeniging 1939
PO Box 48 Vereeniging 1930
South Africa

Telephone +27 (0)16 450 4220
Fax +27 (0)16 423 4906

MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Isacor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030093	Material No:	1000043340
Certificate Reference No (A03):	040062838962	Cast/Heat No (B07):	2302729
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 06-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 2.375 0.436 20.014 B/X42 PSL1 SMLS CAST NO: 2302729 PROD/ONO: T0343009310 NDE TESTED 3000 psi MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
75(ea)	13,554.983(lb)	2.375(")	0.436(")	20.014(ft)	1,501.050(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43
Heat	0.110	0.24	1.21	0.005	0.008	0.03	0.02	0.002	0.010	0.046	0.041	0.001	0.002	0.0010	0.0100	0.0002	0.0010	0.33
Product	0.10	0.25	1.25	0.008	0.011	0.02	0.02	0.004	0.010	0.042	0.031	0.000	0.001	0.0017	0.0079	0.0005	0.0000	0.32
Product (ADD)	0.11	0.25	1.25	0.008	0.012	0.02	0.02	0.004	0.010	0.042	0.030	0.000	0.001	0.0016	0.0084	0.0005	0.0000	0.33

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.75 Inch
Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch	OTHER TESTS		OTHER TESTS	
				Category	Results	Category	Results
Minimum	70 000	42 100	30.0	Bending (D51-D99)	PASSED	NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
Maximum	-	-	-	Flattening (D51-D99)	PASSED	NDI: UT (D02-D50)	UT not required
(1) Actual	73 389	58 595	37.0	Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec	HV 22 lbs C31	157 160 162
(2) Actual	75 130	60 481	40.0				

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2023.06.04

Certified by:

Heat: 2302514
 Your PO: 247032

Order: 3356223 Line: 1
 Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

ArcelorMittal South Africa Limited
Tubular Products
 273 Genl. Hertzog Rd
 Peacehaven Vereeniging 1939
 PO Box 48 Vereeniging 1930
 South Africa
 Telephone +27 (0)16 450 4220
 Fax +27 (0)16 423 4906

MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
 Licensed under
 API 5L
 API 5CT
 ISO9001:2015
 PED2014/08/EU

Steelmaking Facility
ArcelorMittal South Africa Ltd
 Iscor Road
 Newcastle 2940
 PO Box, Newcastle 2940
 South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030105	Material No:	1000042293
Certificate Reference No (A03):	040062840673	Cast/Heat No (B07):	2302779
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 06-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 6.625 0.432 40.027 B/X42 PSL1 SMLS CAST NO: 2302779 PROD/ONO: T0343010510R TESTED 3000 psi 1144.6 lbs NDE MADE IN RSA		

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length	Steel making process (C70)	Final Rolling Operation (B04)
		Tube OD	Thickness	Length			
152(ea)	173,996.909(lb)	6.625(")	0.432(")	40.027(ft)	6,084.104(ft)	Basic Oxygen Furnace	As Rolled Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43
Heat	0.110	0.25	1.14	0.005	0.008	0.02	0.02	0.002	0.012	0.043	0.027	0.002	0.003	0.0008	0.0086	0.0002	0.0010	0.31
Product	0.12	0.24	1.19	0.007	0.009	0.02	0.02	0.005	0.010	0.042	0.026	0.000	0.001	0.0009	0.0088	0.0005	0.0010	0.33
Product (ADD)	0.12	0.25	1.20	0.007	0.008	0.02	0.02	0.005	0.010	0.042	0.026	0.000	0.001	0.0009	0.0085	0.0004	0.0000	0.34

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 1 Inch
 Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch	Category	Results	Category	Results
Minimum	70 000	42 100	30.0	Flattening (D51-D99)	PASSED	NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
Maximum	-	-	-	Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec	NDI: UT (D02-D50)	UT not required
(1) Actual	71 214	55 114	38.0			HV 22 lbs C31	153 154 156
(2) Actual	71 794	56 275	39.0				

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.
 Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: **2023.06.26**

Certified by:

We hereby certify that the material was manufactured, tested and inspected to and fully comply with the requirements of referenced specifications. No changes, amendments or additions may be made to this document. Any changes which are effected shall invalidate this certificate.

Heat: 2302514
Your PO: 247032

Order: 3356223 Line: 1
Item: 5" STD 0.258" PIPE SMLS A53/API5L/A106 GR B/X-42 PEB SRL

**ArcelorMittal South Africa Limited
Tubular Products**

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Peacehaven Vereeniging 1939
PO Box 48 Vereeniging 1930
South Africa

Telephone +27 (0)16 450 4220
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MATERIAL TEST CERTIFICATE

EN10204: 2004 Type 3.1
Licensed under

API 5L
API 5CT
ISO9001:2015
PED2014/08/EU

**Steelmaking Facility
ArcelorMittal South Africa Ltd**
Iscor Road
Newcastle 2940
PO Box, Newcastle 2940
South frica



Customer (A06):		Contract No/Customer Order (A07):	SUS4 180836
Order No (A08):	4000030106	Material No:	1000042294
Certificate Reference No (A03):	040062389207	Cast/Heat No (B07):	1802976
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES		
Specification (B02):	API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C:19 A53B:22 A530:18 ASME SA106B/C//SA530:21		
Product Marking (B06):	ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 06-18 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 6.625 0.562 20.014 B/X42 PSL1 SMLS CAST NO: 1802976 PROD/ONO: T0242489910 TESTED 3000 psi 728.8 lbs NDE MADE IN RSA		

Page 1 of 1

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
7(ea)	5,102.503(lb)	6.625(")	0.562(")	20.014(ft)	140.098(ft)

Steel making process (C70)	Final Rolling Operation (B04)
Basic Oxygen Furnace	As Rolled
	Final hot rolling finished above 1580°F and cooled in still air

Chemical Composition: (C71-C92)

R22-(V+Nb+Ti)

R24-(Nb+V)

Element(%)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	V	Al	Ti	Sn	Ca	N	B	Nb	CE	R22	R24
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	0.200		1.30	0.030	0.030	0.50	0.50	0.150	0.500									0.41		
Heat	0.120	0.25	1.10	0.004	0.010	0.13	0.01	0.051	0.005	0.033	0.026	0.017	0.001	0.0009	0.0096	0.0001	0.0010	0.35		
Product	0.12	0.25	1.10	0.004	0.010	0.13	0.01	0.051	0.005	0.033	0.026	0.017	0.001	0.0009	0.0096	0.0001	0.0010	0.35	0.051	0.034
Product (ADD)	0.12	0.25	1.10	0.004	0.010	0.13	0.01	0.051	0.005	0.033	0.026	0.017	0.001	0.0009	0.0096	0.0001	0.0010	0.35	0.051	0.034

Mechanical Properties:

Orientation and type of tensile test (C02): Longitudinal, Strip, 1 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) C12 psi	Yield (0.2%) C1 psi	%EL C13 2 inch
Minimum	70 000	42 100	30.0
Maximum	-	-	-
(1) Actual	70 924	42 061	41.0
(2) Actual	70 924	42 496	42.0

OTHER TESTS	
Category	Results
Flattening (D51-D99)	PASSED
Hydrostatic (D02-D50)	20700 kPa (3000 psi) - 5 sec

OTHER TESTS	
Category	Results
NDI: EMI (D02-D50)	PASS - ASTM E570 - 12.5% NOTCH
NDI: UT (D02-D50)	UT not required
HV 22 lbs C31	154 157 157

Remarks (Z01):

Material in accordance with NACE MR0175/ISO15156-2:21, MR0103:15. Dimensions to ASME B36.10:22. End finish to ASME B16.25:17. Material guaranteed to conform to the yield strength requirements as per ASME, Sect II, Pt D, Table Y-1, 2021. Material conforms to the visual and dimensional requirements and is made to a suitable fine grain practice. Product is mercury free, and no weld repair was done. Residual magnetism <30Gs at time of measure. ArcelorMittal SA Tubular Products operates a QA System meeting the requirements of PED 2014/68/EU, Annex I, Par 4.3 and AD 2000-Merkblatt W0, certified by TÜV Rheinland Industrie Service GmbH. Certificate No. 01 202 ZA/Q-02 0004.

Result values reported were converted from standard SI test results.

Quality Assurance Engineer, Certification: **MMakgoba**

Date of Release: 2018.06.11

Certified by: