

Heat: 2300916
Your PO: PO242378

Order: 3122902 Line: 1
Item: 6" S/120 0.562" 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 africa



Order No (A08):	4000029883	Contract No/Customer Order (A07):	SUS3 180315
Certificate Reference No (A03):	040062831318	Material No:	1000042295
Product (B01):	FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES	Cast/Heat No (B07):	2300916
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 03-23 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 6.625 0.562 40.027 B/X42 PSL1 SMLS CAST NO: 2300916 PROD/ONO: T0242988310 TESTED 3000 psi 1457.9 lbs NDE MADE IN RSA		

General Information:

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
98(ea)	142,870.073(lb)	6.625(")	0.562(")	40.027(ft)	3,922.646(ft)

Steel making process (C70)	Final Rolling Operation (B04) As Rolled
Basic Oxygen Furnace	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	1.26	0.004	0.015	0.04	0.02	0.001	0.007	0.032	0.028	0.001	0.001	0.0020	0.0080	0.0005	0.0110	0.34		
Product	0.11	0.24	1.30	0.003	0.013	0.02	0.02	0.004	0.010	0.034	0.037	0.001	0.000	0.0012	0.0121	0.0006	0.0120	0.34	0.047	0.046
Product (ADD)	0.12	0.24	1.30	0.003	0.012	0.02	0.02	0.004	0.010	0.034	0.036	0.001	0.001	0.0011	0.0116	0.0006	0.0110	0.35	0.046	0.045

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	73 099	58 595	42.0
(2) Actual	74 259	57 435	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	163 165 167

Remarks (Z01):

Material in accordance with NACE MR0175:15/ISO15156-2:15, MR0103:15. Dimensions to ASME B36.10:15. 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: M Makgoba

Date of Release: 2023.03.14

Certified by: