

Order: 3138908 Line: 12  
 Item: 3" XH 0.300" PIPE SMLS A53/API5L/A106  
 Heat: 38B2235  
 Your PO: P0242709-01

**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**  
Mario Milani Road, Peacehaven  
Vereeniging 1939  
PO Box 48, Vereeniging 1930  
South Africa



Order No (A08): <b>4000029272</b>	Contract No/Customer Order (A07): <b>SUS6 177290</b>
Certificate Reference No (A03): <b>040062812001</b>	Material No: <b>1000042255</b>
Product (B01): <b>FULLY KILLED HOT FINISHED CARBON STEEL SEAMLESS TUBES</b>	Cast/Heat No (B07): <b>38B2235</b>
Specification (B02): <b>API5L:18 B/X42 PSL1 ISO3183:19 L245/L290 ASTM A106B/C/A53B/A530:18 ASME SA106B/C//SA530:17</b>	Page 1 of 1
Product Marking (B06): <b>ARCELORMITTAL SA API Spec 5L-0319 MONOGRAM 08-22 ISO3183 L245/L290 PSL1 ASTM/ASME A/SA106B/C A/SA53B 3.500 0.300 40.027 B/X42 PSL1 SMLS CAST NO: 38B2235 PROD/ONO: T0542927210 NDE TESTED 3000 psi MADE IN RSA</b>	

**General Information:**

Quantity (B08)	Mass (B12)	Dimensions (B09-B11)			Total Length
		Tube OD	Thickness	Length	
227(ea)	93,247.768(lb)	3.500(")	0.300(")	40.027(ft)	9,086.129(ft)

Steel making process (C70)	Final Rolling Operation (B04) As Rolled
Electric Arc	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
<b>Minimum</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Maximum</b>	0.200		1.30	0.030	0.030	0.40	0.40	0.150	0.400									0.43		
<b>Heat</b>	0.132	0.26	1.21	0.009	0.007	0.08	0.08	0.030	0.100	0.005	0.029	0.014	0.006	0.0021	0.0108	0.0004	0.0270	0.37		
<b>Product</b>	0.14	0.26	1.22	0.009	0.007	0.09	0.08	0.029	0.100	0.005	0.028	0.014	0.006	0.0013	0.0100	0.0003	0.0270	0.38	0.046	0.032
<b>Product (ADD)</b>	0.14	0.26	1.22	0.008	0.007	0.09	0.08	0.029	0.100	0.005	0.027	0.014	0.006	0.0014	0.0095	0.0003	0.0260	0.38	0.045	0.031

**Mechanical Properties:**

Orientation and type of tensile test (C02): Longitudinal, Strip, 0.751 Inch

Orientation of impact test piece (C41):

Specification Limits	UTS (Rm) psi	Yield (0.2%) C1 psi	%EL C13 2 inch
<b>Minimum</b>	<b>70 000</b>	<b>42 100</b>	<b>30.0</b>
<b>Maximum</b>	-	-	-
<b>(1) Actual</b>	<b>74 550</b>	<b>54 244</b>	<b>36.0</b>
<b>(2) Actual</b>	<b>75 420</b>	<b>55 114</b>	<b>37.0</b>

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	163 164 167

**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: 2022.08.22**

**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.