

Heat: 315443
Your PO: PO245196-1

Order: 3250136 Line: 2
Item: 1/2" 160 0.188" PIPE SMLS A106 GR B PE SRL GALV



PTC Doc ID 1212

Certificate of Analysis

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Issue date: JUN-21-2023

Ship From:
Alliance Tubular Holdings LLC
305 Cannelton Road
Darlington, PA 16115 USA

Ship to	Customer PO#	PTC Order#	Customer Part#	PTCA Item#
	326945-6	72917- 6	97708	10014601
Bill To	Ship Date	Delivery#	Delivery Weight	Master BOL/ Trip#
	Jun 23, 2023	172951	39,333 LBS	85558
Size: 00.8400 OD (21.34) X 0.1880 WALL (4.78) Inches(MM)		Grade: A106BC	Heat Treat: NORM	Country Of Mfg: U.S.A.
Method of Manufacturing: NN-SDN				
Spec: ASTM A106 Grade C REV 2019 CDS-NORM A106BC-100				

Heat Number	Lot#	Melt Location	Yield Str (N/mm2)	Tensile Str (N/mm2)	% Elong. In 2"	Hardness	Lot Lgth (Ft)	Master Lot#
315443	DPI106906 (Mfg: 04/21/23)	Nucor - Jewett (Rolled: Benteler Shreveport) Country Of Melt- (USA)	52800 PSI (364)	74000 PSI (510)	39.7 %	77.4 HRB	21.00	DLOT102306
315443	DPI106907 (Mfg: 04/21/23)	Nucor - Jewett (Rolled: Benteler Shreveport) Country Of Melt- (USA)	52800 PSI (364)	74000 PSI (510)	39.7 %	77.4 HRB	21.00	DLOT102306
632592	DPI105644 (Mfg: 06/30/22)	Benteler - Lingen, Germany Country Of Melt- (Germany)	44900 PSI (310)	70000 PSI (483)	40.5 %	74 HRB	21.00	DLOT101964

Certification done in compliance with EN 10204:2004 Type 3.1

NDT Passed: EC S ASTM E309 Latest Revision .031" Drilled Hole

Other Tests Passed: 90 DEG BEND PER ASME B 36.10M (CURRENT REV)

Heat#	Type	C	Mn	P	S	Si	Al	Cu	Ni	Cr	Mo	V	Ti	Nb	B	Sn	N	Ca
315443	LADLE	0.16	0.99	0.013	0.001	0.26	0.038	0.17	0.06	0.11	0.02	0.004	0.002	0.000	0.0002	0.01	0.011	0.000
632592	LADLE	0.22	0.71	0.008	0.001	0.26	0.034	0.03	0.03	0.06	0.01	0.001	0.002	0.000	0.0004	0.00	0.000	0.000

Notes: This material conforms to:, ASTM A106/A106M - 19a / ASME SA 106-15, Grade B & C, SMLS, ASTM SA53/SA53M - 18 / ASME SA53 - 15 Grade B, SMLS, ANSI B36.10, DIN EN 10204: 2005 - 3.1, ISO 15156-2, NACE MR0103 - 2015, NACE MR0175 - 2015, Test Sample Size: Full pipe section pulled longitudinally, Yield point method: 0.2% offset, Gage length is 2", Method of Manufacture: Hot Finished, Country of Manufacture: USA, No weld repairs made on any material, Plain ends SQ cut - deburred or beveled

We certify that the above chemical analysis and/or tests shown in this report are correct as contained in the records of this company.

-Quality Manager)

The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under federal statutes, including federal law, Title 18, Chapter 47.

Steel tube and bar products supplied from any PTC Alliance Corp. or Enduro Industries LLC location:

do not contain mercury nor come into contact with mercury or its compounds; comply with the EU's RoHS3 regulation; are considered "articles" under EU REACH regulation and are not subject to registration and reporting; do not contain any substances on the REACH SVHC list.