



TUFTS GRINDING, INC.

79 E. 34th ST. SO. Chicago Heights, IL 60411 Phone: 708-755-8900 Fax: 708-755-8904

We make good promises, and we make our promises good!

Certificate of Chemical and Mechanical Properties

Ship To:

Sold To:

19

P.O.#

Part #

The chemistry report is provided by our material producer. We have had the material sampled and tested for physical properties. The results are as followed:

TG&P 4140 Q&T 0.7500 X 20/24' RL
0.7500/0.7490

Heat No.	C	MN	P	S	Si	Cu	Ni	Cr	Mo	V	Ti
58030135_04	0.4200	0.9200	0.0100	0.0190	0.2700	0.2000	0.0800	0.9300	0.1700	0.0050	0.0010

Batch No.	Al	Sn	B
550779	0.0220	0.0010	0.0008

Elongation: 19.00 Tensile: 148000 Yield: 134000 Grain: Fine

Di
5.30

HRC Surf. 30.0 HRC Mid-Radius 31.0

Grain Refiner Aluminum RA: 59.00

Reduction Ratio: 81.5 Producing Mill: Gerdau-Midlothian TX

Melted In Country: USA

Rolled In Country: USA

Hardenability:	01	02	03	04	05	06	07	08	09	10	12	14	16	18	20	24	28	32
	57	57	57	57	57	57	57	56	55	53	51	49	47	46	45	43	41	38

Macro-Etch Test S-1 R-1 C-1 Tempering Temp: 1333 °F

Cast: Strand

Quench Medium: Water Quench Method: Spray

Meets the requirements of: EN 10204:2004 3.1 & 4140/4142 & ASME SA 193 B7 & ASTM A193-15 B7 & ASTM A434-06 BC

The recording of false, fictitious, or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute. I certify the chemical and/or attached physical tests were determined by standard methods and are current as contained in the records of the corporation. This material has not been contaminated with mercury. No welding or weld repair has been performed on this material.

R465779

545768

SHIP# 18795

RIGOBERTO CERVANTES
PURCHASING MANAGER

Provided by CPA
www.flowconditioner.com, info@cpa.ca

P.O.# 6266 P.O.# 03 - FM X01 - DEFSCH 3

PINS

DESC: 3" DEFAULT SCHEDULE (80), ANSI RF, 316SS/cs static Mixer