METALLURGICAL ENGINEERING SERVICES, INC.

December 17, 2019

REPORT OF: Chemical Composition Analyses

REPORT TO: Max and Neo
Attn: Kenric Hwang
7821 E. Acoma Dr.
Scottsdale, AZ 85260

DATE APPROVED: December 10, 2019

IDENTIFICATION: 1 ea. Dog collar chain

PROCEDURES:

Chemical composition of the sample was determined per ASTM E1086-14 using a SpectroMaxx Optical Emission Spectrometer, S/N: 118288/05, calibration due 04/04/20, with verification performed prior to use.

RESULTS: ***Next Page***

Lab No. 37928

(972) 480-0033 • FAX (972) 480-0036 • 845 E. Arapaho Road - Richardson, Texas 75081 • www.metengr.com

OES: Chemical Composition Analysis – The sample was submitted for chemical content evaluation with the following quantitative results:

Element	Collar Link, Wt. %	UNS S30400
Carbon	0.077	0.08 max
Silicon	0.418	1.00 max
Manganese	0.98	2.00 max
Phosphorus	0.031	0.045 max
Sulfur	0.016	0.030 max
Chromium	18.57	18.00-20.00
Nickel	8.15	8.00-10.50
Molybdenum	0.116	--
Aluminum	<0.0005	--
Copper	0.351	--
Cobalt	0.120	--
Titanium	<0.0010	--
Niobium	0.012	--
Vanadium	0.065	--
Tungsten	<0.010	--
Lead	<0.0030	--
Magnesium	0.012	--
Boron	<0.0005	--
Tin	<0.0010	--
Zinc	0.012	--
Arsenic	0.0024	--
Bismuth	<0.0020	--
Calcium	0.0008	--
Cerium	0.0069	--
Zirconium	<0.0015	--
Lanthanum	0.010	--
Iron	*Remainder*	*Remainder*

The Collar Link met the chemical requirements for UNS S30400, Austenitic Cr-Ni Stainless Steel (304).

These results are based on the tests performed and are subject to change upon the receipt of new or additional information.

Respectfully submitted,

METALLURGICAL ENGINEERING SERVICES, INC.
Firm Registration No. F-2674

Daniel A. Stolk, PE, CWI
Principle Engineer

Chemical Composition Analyses
Max and Neo
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Purchase Order No. 1100