



CERTIFICATE OF ANALYSIS

THE FOLLOWING MATERIAL IS CERTIFIED TO:

PO BOX 816 - MARS, PA 16046

June 28, 2017

Attn:

GENERAL PRODUCT INFORMATION	CHEMICAL ANALYSIS					
	DEFINED BY SPECIFICATION		MEASURED IN LABORATORY			
	Minimum	Maximum				
Heat#: 1711560 Manufacture Date: 04/20/17 Alloy: 954 Shape: RECTANGLE Size#: 1 X 4 Internal Standards: ASTM B505	Cu 83.0000 - Fe 3.0000 - Ni - Al 10.0000 - Mn -	87.0000 5.0000 1.5000 11.5000 .5000	86.0190 3.3800 0.0090 10.2860 0.3060			
Customer PO#: . Customer Job#: Customer Part#: Control#: Date Shipped: Quantity Shipped: 0 Weight Shipped: 0.00 Packslip#: 0 Invoice#: 0 Country of Origin: UNITED STATES	<div style="font-size: 4em; opacity: 0.2; transform: rotate(-10deg); pointer-events: none;">SAMPLE</div>					
Physical Analysis *	Yield .5% UNDER LOAD		Tensile		Elongation in	Brinell Hardness
	(PSI)	N/mm ²	(PSI)	N/mm ²	2 in. min %	BRINELL 3000
Defined By Specification	32000	220.6	85000	586.1	12	0 - 0
1711560-1						179

This is to certify that all material listed is free from mercury contamination and no mercury bearing equipment was used in any of our manufacturing, fabricating, assembly or testing operations. No materials containing Class I or Class II ODC's; CFC's; Halons or HCFC's are used in our manufacturing process. None of the EPA's listed ODC's are used in our testing, assembly or fabricating procedures. Additionally we do not purchase, from our suppliers, any of the EPA's listed ODC's. * Minimum tensile and yield strength shall be reduced 10% for cast bars having a thickness, diameter, cross section or wall of 4" or more. All Nickel measurements are inclusive of Cobalt concentrations.



GRI CERTIFICATE NO.'S
 25513/A/0001/AN/En
 32119/A/0001/UK/En

CONCAST METAL PRODUCTS

Dominic P. Lemaire
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Lab Manager

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