



CERTIFICATE OF ANALYSIS

PO BOX 816 - MARS, PA 16046

February 5, 2010

Attn:

THE FOLLOWING MATERIAL IS CERTIFIED

GENERAL PRODUCT INFORMATION	CHEMICAL ANALYSIS		
	DEFINED BY SPECIFICATION		MEASURED IN LABORATORY
	Minimum	Maximum	
Heat#: 0912450 Manufacture Date: 09/21/09 Alloy: 954 Shape: RECTANGLE Size#: 1 X 4 Internal Standards: ASTM B505-08	Cu 83.0000 - Fe 3.0000 - Ni - Al 10.0000 - Mn -	87.0000 5.0000 1.5000 11.5000 .5000	84.8600 4.1500 0.1100 10.5900 0.2900
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: 0.3; transform: rotate(-15deg); 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
0912450-1						196

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. 5
 23513/A/0001/AN/En
 32119/A/0001/UK/En

CONCAST METAL PRODUCTS

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 Lab Manager