Certified Material Test Report
AWS A5.01 Schedule H, Class S1

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R/ER 5356

Lot Chemical Analysis vs. AWS A5.10 Chemistry Classification Designation

	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be	Cd	Other		Al
												Each	Total	
AWS (1)	**5356**	0.25	0.40	0.10	0.05 - 0.20	4.5 - 5.5	0.05 - 0.20	0.10	0.06 - 0.20	<0.0003	<0.05	<0.05	<0.15	Rem.
Lot (2) (3)	**5356**	0.05	0.12-0.15	<0.01	0.16-0.17	5.0-5.2	0.11-0.12	<0.01	0.07	<0.0001	<0.01	<0.05	<0.15	Rem.

(1) Single values shown are maximum percentage, except where minimum is specified.
(2) Certified composition results
(3) Mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of this product.

TYPICAL MECHANICAL PROPERTIES

Mechanical Results	AWS Specification
Tensile 40,700 psi (281 Mpa)	35,000 psi (240 Mpa) Min.
Yield 19,700 psi (136 Mpa)	Not Specified
Elongation 30%	Not Specified

This typical mechanical information should not be construed as the actual results of this specific lot of material.
No alloy formulation changes since the initiation of this original cert.

Other customer requirements on sales order:_____
__DFARS applies to "specialty metals" and aluminum is not included in the DFARS definition of specialty metals (section 252.225(a)(12)).\"

Hobart Aluminum hereby certifies that the material covered by this report has been drawn in the USA to the requirements of AWS A5.01, class S1, schedule F & H, controlled chemical composition, and tested in accordance with and been found to meet the requirements of specifications AWS A5.10, ASME/SFA 5.10.

Adam Treon, Process Quality Systems Manager
Certifying Signature
Hobart Aluminum