



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

Hobart Aluminum · 1631 International Drive · Traverse City, MI 49686

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Alloy	Diameter	Package	Lot#
R/ER 4043			45NV19

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

	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be	Other		Al
											Each	Total	
<b>AWS</b> (1)	<b>4043</b>	4.5- 6.0	0.8	0.3	0.05	0.05	-	0.10	0.20	0.0003	<0.05	<0.15	Rem.
<b>Lot</b> (2) (3)	<b>4043</b>	4.9	0.12	0.02	0.00	<0.01	-	0.00	0.01	0.0000	<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	27,600 psi (190 Mpa)		24,000 psi (165 Mpa) Min.	
Yield	12,500 psi (86 Mpa)		Not Specified	
Elongation	22%		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.**



11/17/2025

**Adam Treon, Process Quality Systems Manager  
Certifying Signature  
Hobart Aluminum**