



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

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

**Phone: 231-933-1234**  
**Fax: 231-933-6110**  
**E-Mail: adam.treon@hobartbrothers.com**  
**Web Page: hobartbrothers.com**

| Cust. P.O. | Alloy     | Diameter | Package | Lot#   |
|------------|-----------|----------|---------|--------|
|            | R/ER 5356 |          |         | 55SP10 |

## 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 |      |
| <b>AWS</b><br>(1)     | <b>5356</b> | 0.25 | 0.40          | 0.10  | 0.05 -<br>0.20 | 4.5 -<br>5.5 | 0.05 -<br>0.20 | 0.10  | 0.06 -<br>0.20 | <0.0003 | <0.05 | <0.05 | <0.15 | Rem. |
| <b>Lot</b><br>(2) (3) | <b>5356</b> | 0.05 | 0.12-<br>0.15 | <0.01 | 0.14-<br>0.15  | 5.1          | 0.11-<br>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**