

# Certificate of analysis

Product No.: 43811  
Product: Aluminum wire, 0.013mm (0.0005in) dia, hard,  
99.85% (metals basis)  
Lot No.: A31Y015

Al 99.92 %

|    |          |    |         |
|----|----------|----|---------|
| Cu | 0.0005 % | Fe | 0.033 % |
| Mg | 0.001 %  | Mn | 0.003 % |
| Ni | 0.001 %  | Si | 0.026 % |
| Zn | 0.011 %  |    |         |

All other elements not detected

|                           |            |
|---------------------------|------------|
| Elongation                | 0.68 %     |
| Gram breaking load        | 3.09       |
| Ultimate tensile strength | 35,312 psi |
| Yield tensile strength    | 30,096 psi |

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