Alfa Aesar

Certificate of analysis

Product Number: 43006

Product: Silicon lump 99.9999 %

Batch: 61001037

| Items | Results |
|--|---|
| Electrical properties Conductivity type Specific resistivity | n-type, Phosphorous-doped $0.005 - 0.1 \Omega x$ cm |
| Chemical composition Carbon (FTIR) | < 5 x 10 ¹⁵ atom/cm ⁻³ |
| Interstitial oxygen (FTIR) | < 1.10 x 10 ¹⁶ atom/cm ⁻³ |
| Metallic residual impurities (INNA) | |
| Na | < 2 x 10 ¹³ * |
| | < 5 x 10 ¹¹ |
| | < 1 x 10 ¹⁰ * |
| | < 1 x 10 ⁹ * |
| | $< 4 \times 10^{12*}$ |
| | $< 2 \times 10^{12*}$ |
| | $< 5 \times 10^{10*}$ |
| | < 5 x 10 ⁸ |
| | < 1 x 10 ¹³ * |
| | $< 1 \times 10^{11}$ |
| | $< 1 \times 10^{12}$ |
| | $< 1 \times 10^{11}$ |
| | $< 1 \times 10^{11*}$ |
| | $< 1 \times 10^{12}$ |
| | < 5 x 10 ¹⁰ * |
| * Limit of detection | |

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