

Fe-Cr-Ni Alloy UNS J92180 (chip form)

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|-----------------|-----------------------------------|
| Art. ID | NIST-345b |
| Unit | 150 g (chips) |
| Deliverydetails | No Dangerous Good /not restricted |

Description

This Standard Reference Material (SRM) is intended primarily for use in validation of chemical and instrumental methods of analysis for elements in high temperature alloys and materials of a similar matrix. It can be used to validate value assignment of in-house reference materials. A unit of NIST-345b consists of a bottle containing 150 g of chips prepared from castings. /// Sample value(s) - please ask for current certificate.

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|----------------------------------|-------------------|-------------|---------------------|------|--------|--------|
| Certified Mass Fraction Value | Chromium (Cr) | [7440-47-3] | 16,03 | % | | |
| Certified Mass Fraction Value | Cobalt (Co) | [7440-48-4] | 0,066 | % | | |
| Certified Mass Fraction Value | Copper (Cu) | [7440-50-8] | 3 | % | | |
| Certified Mass Fraction Value | Manganese (Mn) | [7439-96-5] | 0,4902 | % | | |
| Certified Mass Fraction Value | Molybdenum (Mo) | [7439-98-7] | 0,1541 | % | | |
| Certified Mass Fraction Value | Nickel (Ni) | [7440-02-0] | 4,054 | % | | |
| Certified Mass Fraction Value | Niobium (Nb) | [7440-03-1] | 0,2143 | % | | |
| Certified Mass Fraction Value | Phosphorus (P) | [7723-14-0] | 0,0176 | % | | |
| Certified Mass Fraction Value | Silicon (Si) | [7440-21-3] | 0,7821 | % | | |
| Certified Mass Fraction Value | Tin (Sn) | [7440-31-5] | 0,00568 | % | | |
| Certified Mass Fraction Value | Tungsten (W) | [7440-33-7] | 0,0394 | % | | |
| Certified Mass Fraction Value | Vanadium (V) | [7440-62-2] | 0,0662 | % | | |
| Reference Mass Fraction Value | Aluminium (Al) | [7429-90-5] | 0,013 | % | | |
| Reference Mass Fraction | Arsenic (As) | [7440-38-2] | 0,0031 | % | | |

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|-------------------------|---------------|-------------|--------|---|
| Value | | | | |
| Reference Mass Fraction | Carbon (C) | [7440-44-0] | 0,043 | % |
| Value | | | | |
| Reference Mass Fraction | Iron (Fe) | [7439-89-6] | 75,3 | % |
| Value | | | | |
| Reference Mass Fraction | Lead (Pb) | [7439-92-1] | 0,002 | % |
| Value | | | | |
| Reference Mass Fraction | Nitrogen (N) | [7727-37-9] | 0,013 | % |
| Value | | | | |
| Reference Mass Fraction | Sulfur (S) | [7704-34-9] | 0,0008 | % |
| Value | | | | |
| Reference Mass Fraction | Titanium (Ti) | [7440-32-6] | 0,007 | % |
| Value | | | | |