

Certified Reference Material for Low Alloy Steel Grade 4340 - UNS Number G43400, disc 38mm-D-x-~7mm-XRF-CUT

Art. ID BS-4340B-7MM
Unit disc
Deliverydetails No Dangerous Good /not restricted

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|------------------|-------------------|-------------|---------------------|------|--------|--------|
| Certified Value | Aluminium (Al) | [7429-90-5] | 0,022 ± 0,002 | % | | |
| Certified Value | Arsenic (As) | [7440-38-2] | 0,009 ± 0,001 | % | | |
| Certified Value | Carbon (C) | [7440-44-0] | 0,42 ± 0,02 | % | | |
| Certified Value | Cobalt (Co) | [7440-48-4] | 0,014 ± 0,002 | % | | |
| Certified Value | Chromium (Cr) | [7440-47-3] | 0,81 ± 0,03 | % | | |
| Certified Value | Copper (Cu) | [7440-50-8] | 0,17 ± 0,006 | % | | |
| Certified Value | Iron (Fe) | [7439-89-6] | 95,5 ± 0,1 | % | | |
| Certified Value | Magnesium (Mg) | [7439-95-4] | 0,0002 ± 0,0001 | % | | |
| Certified Value | Manganese (Mn) | [7439-96-5] | 0,658 ± 0,009 | % | | |
| Certified Value | Molybdenum (Mo) | [7439-98-7] | 0,235 ± 0,009 | % | | |
| Certified Value | Nitrogen (N) | [7727-37-9] | 0,006 ± 0,0009 | % | | |
| Certified Value | Nickel (Ni) | [7440-02-0] | 1,85 ± 0,03 | % | | |
| Certified Value | Oxygen (O) | [7782-44-7] | 0,0009 ± 0,0003 | % | | |
| Certified Value | Phosphorus (P) | [7723-14-0] | 0,0078 ± 0,0009 | % | | |
| Certified Value | Sulfur (S) | [7704-34-9] | 0,016 ± 0,002 | % | | |
| Certified Value | Antimony (Sb) | [7440-36-0] | 0,0017 ± 0,0003 | % | | |
| Certified Value | Silicon (Si) | [7440-21-3] | 0,283 ± 0,009 | % | | |
| Certified Value | Tin (Sn) | [7440-31-5] | 0,008 ± 0,001 | % | | |
| Certified Value | Titanium (Ti) | [7440-32-6] | 0,0019 ± 0,0006 | % | | |
| Certified Value | Vanadium (V) | [7440-62-2] | 0,0033 ± 0,0008 | % | | |
| Reference Value | Boron (B) | [7440-42-8] | <0,005 | % | | |
| Reference Value | Calcium (Ca) | [7440-70-2] | <0,005 | % | | |
| Reference Value | Hydrogen (H) | [1333-74-0] | <0,005 | % | | |
| Reference Value | Niobium (Nb) | [7440-03-1] | 0,0021 ± 0,0009 | % | | |
| Reference Value | Lead (Pb) | [7439-92-1] | <0,005 | % | | |
| Reference Value | Tungsten (W) | [7440-33-7] | 0,0028 ± 0,0009 | % | | |
| Reference Value | Zirconium (Zr) | [7440-67-7] | 0,0006 ± 0,0004 | % | | |