

## LA Steel, High Carbon (mod.)

|                 |                                   |
|-----------------|-----------------------------------|
| Art. ID         | NIST-1264a                        |
| Unit            | disc                              |
| Deliverydetails | No Dangerous Good /not restricted |

### Description

This Standard Reference Material (SRM®) is intended for use in optical emission and X-ray spectrometric methods of analysis. A unit of NIST-1264a consists of a disk 31 mm in diameter and 19 mm thick. This material also available in the form of chips, NIST-364, for use in chemical methods of analysis, rods, NIST-1098, 6.4 mm in diameter and 102 mm long for the determination of gases in metals by vacuum fusion and neutron activation methods of analysis. Certified values /// Sample value(s) - please ask for current certificate.

| Text/Information | Analyte/Parameter | CAS number   | Concentration/Value | Unit | Method | Source |
|------------------|-------------------|--------------|---------------------|------|--------|--------|
|                  | Carbon (C)        | [7440-44-0]  | 0,871               | %    |        |        |
|                  | Manganese (Mn)    | [7439-96-5]  | 0,258               | %    |        |        |
|                  | Phosphorus (P)    | [7723-14-0]  | 0,01                | %    |        |        |
|                  | Sulfur (S)        | [7704-34-9]  | 0,025               | %    |        |        |
|                  | Silicon (Si)      | [7440-21-3]  | 0,067               | %    |        |        |
|                  | Copper (Cu)       | [7440-50-8]  | 0,25                | %    |        |        |
|                  | Nickel (Ni)       | [7440-02-0]  | 0,142               | %    |        |        |
|                  | Chromium (Cr)     | [7440-47-3]  | 0,066               | %    |        |        |
|                  | Vanadium (V)      | [7440-62-2]  | 0,106               | %    |        |        |
|                  | Molybdenum (Mo)   | [7439-98-7]  | 0,49                | %    |        |        |
|                  | Tungsten (W)      | [7440-33-7]  | 0,102               | %    |        |        |
|                  | Cobalt (Co)       | [7440-48-4]  | 0,15                | %    |        |        |
|                  | Titanium (Ti)     | [7440-32-6]  | 0,24                | %    |        |        |
|                  | Arsenic (As)      | [7440-38-2]  | 0,05                | %    |        |        |
|                  | Niobium (Nb)      | [7440-03-1]  | 0,157               | %    |        |        |
|                  | Tantalum (Ta)     | [7440-25-7]  | 0,11                | %    |        |        |
|                  | Boron (B)         | [7440-42-8]  | -0,011              | %    |        |        |
|                  | Lead (Pb)         | [7439-92-1]  | 0,024               | %    |        |        |
|                  | Zirconium (Zr)    | [7440-67-7]  | 0,069               | %    |        |        |
|                  | Antimony (Sb)     | [7440-36-0]  | 0,034               | %    |        |        |
|                  | Gold (Au)         | [7440-57-5]  | 0,0001              | %    |        |        |
|                  | Calcium (Ca)      | [7440-70-2]  | 0,00004             | %    |        |        |
|                  | Magnesium (Mg)    | [7439-95-4]  | 0,00015             | %    |        |        |
|                  | Tellurium (Te)    | [13494-80-9] | 0,00018             | %    |        |        |
|                  | Cerium (Ce)       | [7440-45-1]  | 0,00022             | %    |        |        |
|                  | Lanthanum (La)    | [7439-91-0]  | 0,00007             | %    |        |        |
|                  | Neodymium (Nd)    | [7440-00-8]  | 0,00007             | %    |        |        |

Tin (Sn)

[7440-31-5]

0,008

%