

101.5 - Gases in Ferrous Metals (rod and disk form)

These SRMs are intended for determining oxygen and nitrogen by vacuum fusion, inert gas fusion, and neutron activation methods.

[For further information see SP 260-14](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

| Description >> | 1089† Steels, Set (consists of SRMs 1095, 1096, 1097, 1098 and 1099) 5 rods | 1090 Oxygen in Ingot Iron rod | 1091a Oxygen in Stainless Steel (AISI 431) rod | 1093 Oxygen in Valve Steel rod | 1094 Oxygen in Maraging Steel rod | 1755 Nitrogen in Low Alloy Steel disk |
|----------------|---|---|--|--|---|---|
|----------------|---|---|--|--|---|---|

Elemental Composition (mass fraction, in mg/kg)

| | | | | | | |
|-----------------|--|------|-------|----|------|-------|
| Hydrogen | (5 levels) | | | | | |
| Nitrogen | 2 levels (3 levels) | (60) | (876) | | (71) | 118.4 |
| Oxygen | 5 levels | 491 | 132.2 | 60 | 4.5 | |
| † | These SRMs are sold only as a set designated SRM 1089. | | | | | |

- Certified values are normal font
- Non-certified or reference values are italicized
- Non-certified values in parentheses are for information only