

# Product Specification

## Iron Standard, 100 ppm Fe in 2% HNO<sub>3</sub>

**Lot Number:** SAMPLE**Product Number:** R4185100**Manufacture Date:** N/A**Expiration Date:** N/A

| Name        | CAS#      | Grade           |
|-------------|-----------|-----------------|
| Water       | 7732-18-5 | ACS/ASTM/USP/EP |
| Nitric Acid | 7697-37-2 | Trace Metals    |
| Iron        | 7439-89-6 | High Purity     |

| Test       | Specification                       | Result | NIST SRM# |
|------------|-------------------------------------|--------|-----------|
| Appearance | Colorless to slightly yellow liquid | N/A    |           |
| Iron (Fe)  | 99-101 ppm                          | N/A    | 3126      |

This standard is guaranteed to be stable and accurate provided the product is kept tightly capped and stored under normal laboratory conditions. Balances are calibrated using NIST traceable weights whose verification of maintenance and recalibration is documented per in-house Standard Operating Procedures. Class A glassware is also calibrated and routinely rechecked per in-house Standard Operating Procedures. Trace metal analyzed acids and Trace Metals Analyzed Water are used in the manufacture of this product. Triple cleaned containers are used in the manufacture of this product.

| Part Number   | Size / Package Type | Shelf Life (Unopened Container) |
|---------------|---------------------|---------------------------------|
| R4185100-500N | 500 mL natural poly | 12 months                       |

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)