

Technical Data Sheet

Product Name	Iron Standard Solution 1000 µg /ml		
Product #	KS-01212	CAS #	7782-61-8
For laboratory use, Traceability: Reference standards acc. NIST SRM 3126a			
Specifications			
Appearance	Yellowish		
Density (20°C)	1.02g/ml		
Certified Value	(980 ± 4) µg/g		

Certification and Traceability: The certified mass fraction shown above was achieved by method BM006 that uses the “High Performance ICP-OES” protocol developed by NIST. This value is traceable to the International System of Units (SI) via the value of the reference material NIST SRMs 3126a.

Uncertainty: The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

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