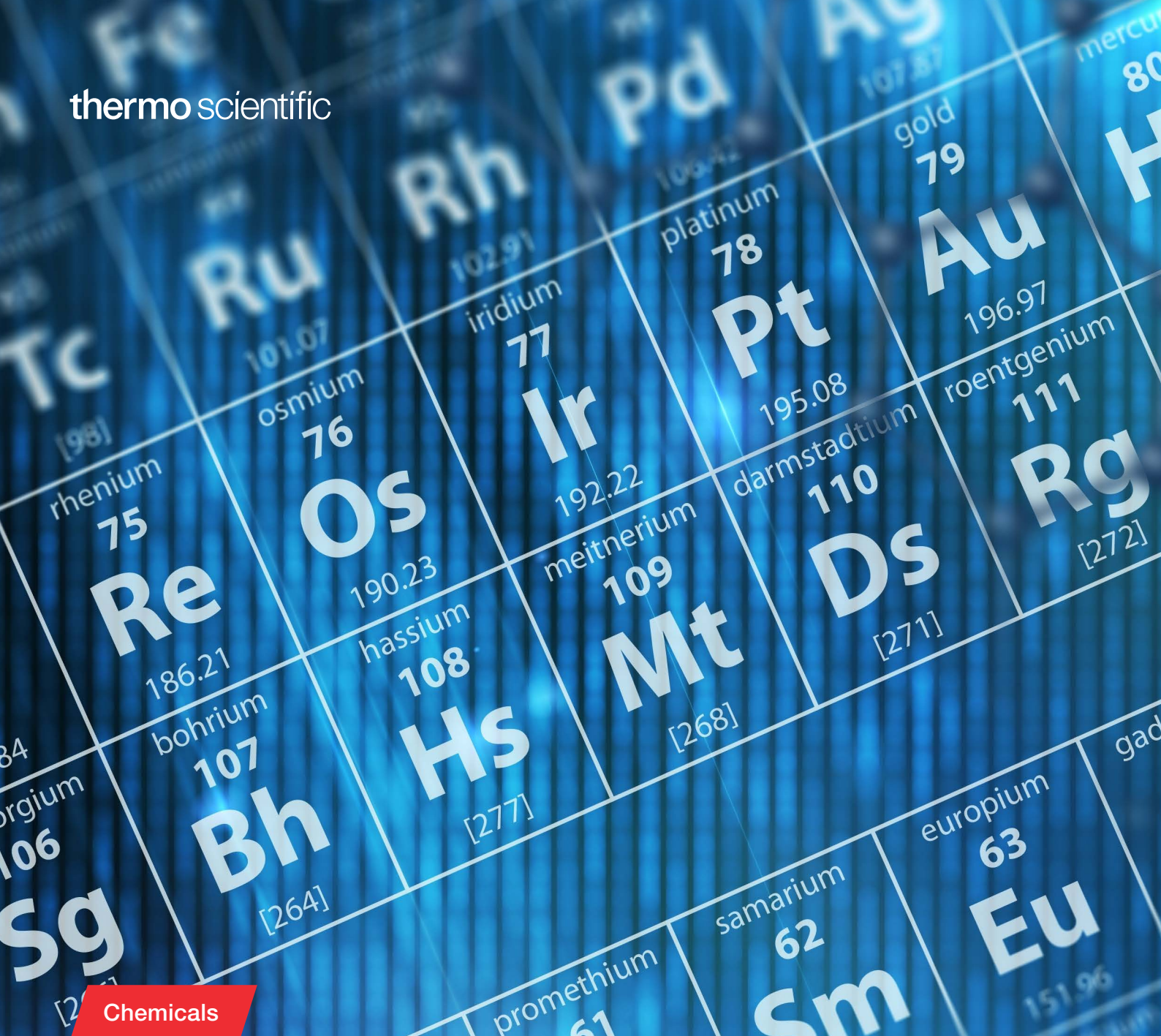


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# Thermo Scientific Specpure™

analytical standards

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# Thermo Scientific Specpure™

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Specpure™ is our comprehensive offering of spectrochemical analytical standard solutions.

Specpure standards are unsurpassed in accuracy, purity and quality. Each product is guaranteed for one year from ship date. Our atomic absorption standards solutions are accurate to  $\pm 1.0\%$  and the plasma solutions to  $\pm 0.3\%$ .

## Specpure™ atomic absorption standards

These solutions are intended for use with either flame or furnace absorption spectroscopy. Our standards are the most frequently used instrumental technique for elemental analysis. The Thermo Scientific range offers 70 single element aqueous solutions at 1,000  $\mu\text{g/mL}$  in both 100 mL and 500 mL sizes.

## Specpure™ plasma standards

These solutions are intended for ICP-OES, ICP-MS, XRF, and other techniques for elemental analysis. These techniques are capable of determining the concentrations of many elements quickly, either simultaneously or sequentially.

## Features of Specpure™ analytical standards

- A NIST-traceable Certificate of Analysis is included with each standard solution
- These standards are ISO 9001, ISO Guide 34, and ISO/IEC 17025
- Expiration date stickers are included with each standard solution
- Guaranteed for one year from date of shipment
- Certified accuracy of  $\pm 1.0\%$  for atomic absorption standards and  $\pm 0.3\%$  for plasma solutions from the stated concentration
- Guaranteed for one year from date of shipment
- Certified accuracy of  $\pm 1.0\%$  for atomic absorption standards and  $\pm 0.3\%$  for plasma solutions from the stated concentration



## Specpure™ analytical standards

Fisher Scientific Stock No. Element, matrix	AAS Standard 1,000ppm	Plasma Standard 1,000ppm	Plasma Standard 10,000ppm	Fisher Scientific Stock No. Element, matrix	AAS Standard 1,000ppm	Plasma Standard 1,000ppm	Plasma Standard 10,000ppm
Aluminum, HCl	33557	13856	14405	Molybdenum, HNO <sub>3</sub> /tr. HF	35764	35758	35766
Aluminum, HNO <sub>3</sub>	–	38727	38721	Molybdenum, NH <sub>4</sub> OH	–	38719	38726
Antimony, HCl	47197	47103	47147	Neodymium, HNO <sub>3</sub>	88081	13882	14431
Antimony, H <sub>2</sub> O/tartaric acid/tr. HNO <sub>3</sub>	–	41682	41683	Nickel, HNO <sub>3</sub>	88082	13839	14414
Arsenic, HNO <sub>3</sub>	33559	13836	14369	Niobium, HF	88083	13831	14396
Barium, HNO <sub>3</sub>	88052	13876	14423	Osmium, HCl	42239	13871	–
Beryllium, HNO <sub>3</sub>	88053	13848	14406	Palladium, HCl	88085	13833	14432
Bismuth, HNO <sub>3</sub>	88054	13822	14388	Phosphorus, HNO <sub>3</sub>	89887	13862	47152
Boron, NH <sub>4</sub> OH	–	13859	14370	Platinum, HCl	88086	13827	14397
Boron, H <sub>2</sub> O	88055	39147	–	Potassium, HNO <sub>3</sub>	88087	13866	14379
Cadmium, HNO <sub>3</sub>	88056	13813	14424	Praseodymium, HNO <sub>3</sub>	88088	13812	14433
Calcium, HNO <sub>3</sub>	88057	13852	14407	Rhenium, HNO <sub>3</sub>	88089	13817	14416
Cerium, HNO <sub>3</sub>	30520	13815	14371	Rhodium, HCl	88090	35754	35763
Cesium, HNO <sub>3</sub>	88058	13825	14425	Rubidium, HNO <sub>3</sub>	88091	13872	14380
Chromium, HCl	88059	13864	14408	Ruthenium, HCl	89117	35767	35773
Chromium, HNO <sub>3</sub>	–	38728	38722	Samarium, HNO <sub>3</sub>	88092	13854	14417
Cobalt, HNO <sub>3</sub>	88060	13828	14390	Scandium, HNO <sub>3</sub>	88093	35769	35755
Copper, HNO <sub>3</sub>	88061	13867	14372	Selenium, HNO <sub>3</sub>	88094	13845	14381
Dysprosium, HNO <sub>3</sub>	88062	13838	14426	Silicon, H <sub>2</sub> O/tr. F <sup>-</sup>	47277	38717	38723
Erbium, HNO <sub>3</sub>	88063	13877	14409	HNO <sub>3</sub>	88096	13849	14418
Europium, HNO <sub>3</sub>	88064	35753	35761	Sodium, HNO <sub>3</sub>	88097	13832	14400
Gadolinium, HNO <sub>3</sub>	88065	13829	14373	Strontium, HNO <sub>3</sub>	88098	13874	14382
Gallium, HNO <sub>3</sub> /tr. HF	88066	13869	14427	Sulfur, HNO <sub>3</sub>	22958	13842	14436
Germanium, HNO <sub>3</sub> /tr. HF	88067	13841	14410	Tantalum, HF	89888	13840	14419
Germanium, H <sub>2</sub> O	–	42242	–	Tellurium, HCl	47130	47183	47187
Gold, HCl	88068	13881	14392	Terbium, HNO <sub>3</sub>	88110	13860	14383
Hafnium, HCl	88069	13843	14374	Thallium, HNO <sub>3</sub>	88111	13851	14437
Holmium, HNO <sub>3</sub>	88070	35756	35762	Thulium, HNO <sub>3</sub>	89889	13824	14402
Indium, HNO <sub>3</sub>	88071	13846	14411	Tin, HCl	88112	13863	14384
Iridium, HCl	88072	35751	35752	Titanium, HNO <sub>3</sub> /tr. HF	35771	35768	35759
Iron, HNO <sub>3</sub>	47282	47206	47221	Titanium, H <sub>2</sub> O/tr. F <sup>-</sup>	–	38720	38725
Lanthanum, HNO <sub>3</sub>	88074	13870	14429	HNO <sub>3</sub> /tr. HF	35760	35770	35772
Lead, HNO <sub>3</sub>	88075	13853	14412	Tungsten, H <sub>2</sub> O	–	42248	42249
Lithium, HNO <sub>3</sub>	88076	13821	14394	Vanadium, HNO <sub>3</sub>	88116	13850	14385
Lutetium, HNO <sub>3</sub>	89886	35765	35757	Ytterbium, HNO <sub>3</sub>	89890	13819	14439
Magnesium, HNO <sub>3</sub>	88077	13861	14430	Yttrium, HNO <sub>3</sub>	88117	13855	14422
Manganese, HNO <sub>3</sub>	88078	13826	14413	Zinc, HNO <sub>3</sub>	88118	13835	14404
Mercury, HNO <sub>3</sub>	88079	13865	14395	Zirconium, HCl	88119	13875	14386

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