

## Alfa Aesar Standard Selection Guide

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Element, matrix	AAS Standard 1000 ppm	Plasma Standard 10 ppm	Plasma Standard 1000 ppm	Plasma Standard 10,000 ppm	Element, matrix	AAS Standard 1000 ppm	Plasma Standard 10 ppm	Plasma Standard 1000 ppm	Plasma Standard 10,000 ppm
Aluminum, HCl	33557	-	13856	14405	Neodymium, HNO <sub>3</sub>	-	-	13882	14431
Aluminum, HNO <sub>3</sub>	-	-	38727	38721	Nickel, HNO <sub>3</sub>	88082	45261	13839	14414
Antimony, HCl	33558	-	13818	14387	Niobium, HF	-	-	13831	14396
Antimony, H <sub>2</sub> O/tartaric acid/tr. HNO <sub>3</sub>	-	-	41682	41683	Niobium, H <sub>2</sub> O/tr. F <sup>-</sup>	-	-	42244	42245
Arsenic, HNO <sub>3</sub>	33559	45246	13836	14369	Osmium, HCl	-	-	13871	-
Barium, HNO <sub>3</sub>	88052	45247	13876	14423	Palladium, HCl	88085	-	13833	14432
Beryllium, HNO <sub>3</sub>	88053	45248	13848	14406	Palladium, HNO <sub>3</sub>	44631	-	-	-
Bismuth, HNO <sub>3</sub>	88054	45249	13822	14388	Palladium, H <sub>2</sub> O	45270	45271	-	-
Boron, NH <sub>4</sub> OH	-	-	13859	14370	Phosphorus, HNO <sub>3</sub>	-	-	-	-
Boron, H <sub>2</sub> O	88055	-	39147	-	Platinum, HCl	88086	-	13827	14397
Cadmium, HNO <sub>3</sub>	88056	45250	13813	14424	Potassium, HNO <sub>3</sub>	88087	-	13866	14379
Calcium, HNO <sub>3</sub>	88057	-	13852	14407	Praeseodymium, HNO <sub>3</sub>	-	-	13812	14433
Carbon, H <sub>2</sub> O	-	-	13844	14389	Rhenium, HNO <sub>3</sub>	-	-	13817	14416
Cerium, HNO <sub>3</sub>	-	-	13815	14371	Rhodium, HCl	-	45320	35754	35763
Cesium, HNO <sub>3</sub>	-	-	13825	14425	Rubidium, HNO <sub>3</sub>	-	-	13872	14380
Chromium, HNO <sub>3</sub>	88059	-	13864	14408	Ruthenium, HCl	-	-	35767	35773
Chromium, HCl	-	45251	38728	38722	Samarium, HNO <sub>3</sub>	-	-	13854	14417
Cobalt, HNO <sub>3</sub>	88060	45242	13828	14390	Scandium, HNO <sub>3</sub>	-	45262	35769	35755
Copper, HNO <sub>3</sub>	-	45253	13867	14372	Selenium, HNO <sub>3</sub>	88094	45263	13845	14381
Dysprosium, HNO <sub>3</sub>	-	-	13838	14426	Silicon, HNO <sub>3</sub> /tr. HF	88095	-	13814	14435
Erbium, HNO <sub>3</sub>	-	-	13877	14409	Silicon, H <sub>2</sub> O/tr. F <sup>-</sup>	-	-	38717	38723
Europium, HNO <sub>3</sub>	-	-	35753	35761	Silver, HNO <sub>3</sub>	88096	45264	13849	14418
Gadolinium, HNO <sub>3</sub>	-	-	13829	14373	Sodium, HNO <sub>3</sub>	88097	-	13832	14400
Gallium, HNO <sub>3</sub> /tr. HCl	-	-	13869	14427	Strontium, HNO <sub>3</sub>	88098	-	13874	14382
Germanium, HNO <sub>3</sub> /tr. HF	-	45254	13841	14410	Sulfur, H <sub>2</sub> O	-	-	13842	14436
Germanium, H <sub>2</sub> O/tr. F <sup>-</sup>	-	-	42242	-	Tantalum, HF	-	-	13840	14419
Gold, HCl	88068	-	13881	14392	Tantalum, H <sub>2</sub> O/tr. F <sup>-</sup>	-	-	42246	42247
Hafnium, HCl	-	-	13843	14374	Tellurium, HCl	-	-	13879	14401
Holmium, HNO <sub>3</sub>	-	45255	35756	35762	Tellurium, HNO <sub>3</sub>	-	45265	44632	-
Indium, HNO <sub>3</sub>	-	45256	13846	14411	Terbium, HNO <sub>3</sub>	88110	45266	13860	14383
Iridium, HCl	-	-	35751	35752	Thallium, HNO <sub>3</sub>	88111	-	13851	14437
Iron, HNO <sub>3</sub>	88073	-	13830	14375	Thulium, HNO <sub>3</sub>	89889	-	13824	14402
Lanthanum, HNO <sub>3</sub>	-	-	13870	14429	Tin, HCl	88112	-	13863	14384
Lead, HNO <sub>3</sub>	88075	45257	13853	14412	Titanium, HNO <sub>3</sub> /tr. HF	35771	45267	35768	35759
Lithium, HNO <sub>3</sub>	88076	-	13821	14394	Titanium, H <sub>2</sub> O/tr. F <sup>-</sup>	-	-	38720	38725
Lutetium, HNO <sub>3</sub>	-	-	35765	35757	Tungsten, HNO <sub>3</sub> /tr. HF	-	-	35770	35772
Magnesium, HNO <sub>3</sub>	88077	-	13861	14430	Tungsten, H <sub>2</sub> O	-	-	42248	42249
Manganese, HNO <sub>3</sub>	88078	45258	13826	14413	Vanadium, HNO <sub>3</sub>	88116	-	13850	14385
Mercury, HNO <sub>3</sub>	88079	45259	13865	14395	Ytterbium, HNO <sub>3</sub>	-	-	13819	14439
Molybdenum, HNO <sub>3</sub> /tr. HF	35764	45260	35758	35766	Yttrium, HNO <sub>3</sub>	-	45268	13855	14422
Molybdenum, NH <sub>4</sub> OH	-	-	38719	38726	Zinc, HNO <sub>3</sub>	88118	45269	13835	14404
					Zirconium, HCl	-	-	13875	14386

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