



Consumables for Elemental Analyzers Consumables & Supplies Reference Cards New Instruments

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Carbon and Sulfur in Metals

Please note - We are a standards manufacturer, if there is a particular range you require that we do not offer please contact us at sales@alphacanadainc.ca

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Steel Ring Standards for Carbon/Sulfur

Part No#	Size	% Carbon	Std Deviation	Expanded Deviation	% Sulfur	Std Deviation	Expanded Deviation	Lot #	Weight
AR869	1g	0.016	0.002	0.004	0.0030	0.0002	0.004	316B	454g
AR870	1g	0.027	0.002	0.005	0.0249	0.0018	0.0036	1216A	454g
AR871	1g	0.0363	0.0021	0.0047	0.0174	0.0008	0.0018	218D	454g
AR872	1g	0.160	0.001	0.003	0.0219	0.0010	0.0023	119C	454g
AR873	1g	0.428	0.003	0.006	0.0093	0.0003	0.0006	1217A	454g
AR874	1g	0.658	0.004	0.008	0.0109	0.0005	0.0011	115D	454g
AR875	1g	0.799	0.008	0.017	0.0125	0.0017	0.0034	1216F	454g
AR876	1g	0.546	0.004	0.008	0.0082	0.0006	0.0012	T39074299	454g
AR878	1g	0.272	0.003	0.006	0.0215	0.0008	0.0016	417A	454g

Steel Pin Standards for Carbon/Sulfur

Part #	Size	% Carbon	Standard Deviation	Expanded Deviation	% Sulfur	Standard Deviation	Expanded Deviation	Lot #	Weight
AR510	0.5g	2.41	0.05	0.11	0.091	0.004	0.008	513A	250g
AR511	0.5g	0.064	0.002	0.004	0.278	0.007	0.014	1215B	250g
AR512	0.5g	0.016	0.002	0.004	0.262	0.006	0.012	814G	250g

AR513	0.5g	0.021	0.002	0.004	0.387	0.005	0.010	1216D	250g
AR881	1g	0.0161	0.0012	0.0024	0.0018	0.0001	0.0002	317A	454g
AR882	1g	0.0532	0.0025	0.0054	0.0317	0.0012	0.0026	218C	454g
AR883	1g	0.192	0.002	0.005	0.0195	0.0008	0.0016	216B	454g
AR884	1g	0.443	0.005	0.010	0.0123	0.0005	0.0012	318B	454g
AR885	1g	0.821	0.005	0.011	0.0058	0.0003	0.0007	118A	454g
AR886	1g	0.724	0.006	0.012	0.0234	0.0009	0.0018	617A	454g
AR888	1g	0.131	0.005	0.010	0.230	0.006	0.012	217A	454g
AR889	1g	0.931	0.010	0.020	0.0024	0.0002	0.0004	117A	454g
AR890	1g	0.094	0.002	0.004	0.0179	0.0008	0.0016	217D	454g
AR891	1g	0.0236	0.0014	0.0028	0.0246	0.0007	0.0014	817E	454g
AR892	1g	0.0055	0.0007	0.0016	0.0027	0.0003	0.0006	917B	454g
AR893	1g	1.62	0.03	0.06	0.0010	0.0002	0.0005	615A	454g
AR894	1g	0.544	0.007	0.014	0.0103	0.0005	0.0010	416B	454g
AR895	1g	0.275	0.003	0.006	0.022	0.001	0.002	414B	454g
AR896	1g	0.170	0.002	0.004	0.087	0.003	0.006	1114A	454g

Chip/Powder Standards for Carbon / Sulfur / Nitrogen

Part #	% Carbon	Standard Deviation	Expanded Deviation	% Sulfur	Standard Deviation	Expanded Deviation	% Nitrogen	Standard Deviation	Expanded Deviation	Lot #	Weight
AR946	0.0050	0.0004	0.0008	0.0077	0.0004	0.0008	0.0044	0.0002	0.0005	516E	150g
AR947	0.389	0.008	0.016	0.117	0.002	0.004	0.0090	0.0004	0.0008	1114B	150g
AR948	0.498	0.005	0.010	0.0780	0.0011	0.0025	0.0090	0.0003	0.0008	817D	150g
AR949	0.0178	0.0007	0.0016	0.0266	0.0011	0.0025	0.0364	0.0009	0.0019	317D	150g
AR950	0.053	0.002	0.004	0.0107	0.0005	0.0010	0.0032	0.0004	0.0008	317E	150g
AR951	0.161	0.002	0.005	0.0221	0.0013	0.0031	0.0073	0.0005	0.0012	918C	150g
AR952	0.482	0.003	0.006	0.020	0.001	0.002	0.0114	0.0005	0.0010	914A	150g
AR953	Sold	Out	Targeted		Replacement	Date	March 22	2019			150g
AR954	0.401	0.006	0.012	0.0209	0.0007	0.0014	0.0067	0.0005	0.001	813A	150g
AR955	0.204	0.002	0.004	0.0284	0.0007	0.0014	91 PPM	2	4	734509306	150g
AR956	0.401	0.005	0.010	0.256	0.006	0.0014	0.0067	0.0002	0.0006	817A	150g
AR957	0.160	0.002	0.005	0.0948	0.0028	0.0056	0.0055	0.0003	0.0006	717F	150g
AR958	0.015	0.001	0.002	0.023	0.002	0.004	0.068	0.002	0.004	212A	150g
AR959	Sold Out and Discontinued. Use AR949 or AR961 as Alternative										
AR960	0.121	0.003	0.006	0.0221	0.0009	0.0018	0.036	0.001	0.002	814B	150g
AR961	0.022	0.002	0.005	0.0093	0.0003	0.0007	0.041	0.002	0.004	112C	150g

Tungsten Carbide Standard for Carbon/Sulfur

Part #	% Carbon	Standard Deviation	Expanded Deviation	% Sulfur	Standard Deviation	Expanded Deviation	Lot #	Weight
AR307	Sold	Out	Replacement	Pending				100g

Cast Iron thru Wrought Iron Standards for Carbon/Sulfur

Part #	% Carbon	Standard Deviation	Expanded Deviation	% Sulfur	Standard Deviation	Expanded Deviation	Lot #	Weight
AR299	0.97	0.01	0.02	0.0102	0.0015	0.0030	614B	150g
AR300	3.26	0.04	0.08	0.021	0.001	0.002	1012A	150g
AR301	2.01	0.02	0.04	0.0172	0.0005	0.0013	1018D	150g
AR302	3.29	0.035	0.070	0.0592	0.0026	0.0052	517D	150g
AR303	3.86	0.02	0.05	0.0210	0.0013	0.0028	218A	150g

AR304	4.21	0.02	0.05	0.0212	0.0008	0.0018	518A	150g
AR305	2.79	0.03	0.06	0.012	0.001	0.002	90701	150g
AR306	3.48	0.03	0.06	0.0202	0.0006	0.0013	817B	150g
AR309	3.65	0.03	0.06	0.0204	0.0009	0.0019	516D	150g
AR310	3.37	0.02	0.05	0.078	0.003	0.007	918E	150g
AR315	3.07	0.03	0.06	0.109	0.006	0.012	417B	150g
AR318	2.95	0.03	0.06	0.042	0.003	0.006	1015C	150g
AR319	3.28	0.03	0.06	0.055	0.003	0.006	113001	150g
AR322	3.38	0.03	0.06	0.049	0.003	0.006	1015B	250g
AR323	3.92	0.05	0.10	0.075	0.005	0.01	1212D	250g
AR673	0.0007	0.0002	0.0004	0.0011	0.0003	0.0006	717A	454g

Titanium and Zirconium Pin Standards for Hydrogen/Carbon

Part #	Size	Matrix	%Hydrogen	Standard Deviation	Expanded Deviation	%Carbon	Standard Deviation	Expanded Deviation	Lot#	Pieces per Bottle
AR585	0.25g	Ti	0.0064	0.0006	0.0012	0.008	0.001	0.002	117B	100
AR586	0.25g	Ti	0.0018	0.0002	0.0005	0.019	0.001	0.002	315D	100
AR587	0.25g	Ti	0.0111	0.0009	0.0018	0.008	0.001	0.002	215B	100
AR588	0.25g	Ti	0.0137	0.0004	0.0008	0.008	0.0015	0.0030	714E	100
AR589	0.25g	Ti	0.0192	0.0005	0.0010	0.012	0.001	0.002	814C	100
AR590	0.25	Zr	0.0010	0.0002	0.0004	0.016	0.001	0.002	815C	100
AR591	0.25	Ti	0.0017	0.0002	0.0004	*0.047	0.0006	0.0012	1216C	100
AR592	0.25g	Ti	*0.0290	0.0015	0.0030	0.0072	0.0006	0.0012	616A	100

Copper Pins Standards for Sulfur/Oxygen

Part #	Size	% Oxygen	Standard Deviation	Expanded Uncertainty	% Sulfur	Standard Deviation	Expanded Uncertainty	Lot #	Pieces per Bottle
AR147	1g	0.0007	0.0001	0.0003	0.0010	0.0002	0.0004	918B	100
AR148	1g	0.0493	0.0009	0.0020	0.0013	0.0002	0.0005	518B	100
AR149	1g	0.0316	0.0004	0.0008	0.0016	0.0002	0.0004	1116C	100