

Typical Trace Element Composition (ppm by weight) Analysis via Direct Reading Spectrometer																			
Type	Al	As	B	Ca	Cd	Cr	Cu	Fe	K	Li	Mg	Mn	Na	Ni	P	Sb	Ti	Zr	*Oh
214	14	<0.002	<0.2	0.4	<0.01	<0.05	<0.05	0.2	0.6	0.6	0.1	<0.05	0.7	<0.1	<0.2	<0.003	1.1	0.8	<5
219	14	<0.01	<0.2	0.4	<0.01	<0.05	<0.05	0.2	0.6	0.6	0.1	<0.05	0.7	<0.1	<0.2	<0.003	100	0.8	<5
254	14	<0.1	<0.2	0.4	<0.01	<0.05	<0.05	0.2	0.6	0.6	0.1	<0.05	0.7	<0.1	<0.2	<0.003	500	0.8	<5
214A	14	<0.002	<0.2	0.4	<0.01	<0.05	<0.05	0.2	0.6	0.6	0.1	<0.05	0.7	<0.1	<0.2	<0.003	1.1	0.8	<1
214 Rod, 214 LD	14	0.002	<0.2	0.4	<0.01	<0.05	<0.05	0.2	0.6	0.6	0.1	<0.05	0.7	<0.1	<0.2	0.003	1.1	0.8	10
224/224 Rod	14	<0.002	<0.2	0.4	<0.01	<0.05	<0.03	0.2	<0.2	<0.2	0.1	<0.03	<0.2	<0.1	<0.2	<0.003	1.4	0.8	10
224 LD	14	<0.002	<0.2	0.4	<0.01	<0.05	<0.01	0.2	<0.2	0.001	0.1	<0.05	<0.1	<0.1	<0.2	<0.003	1.1	0.8	10
244/244 Rod	8	<0.002	<0.1	0.6	<0.01	<0.05	<0.03	0.2	<0.2	<0.2	<0.1	<0.03	<0.2	<0.1	<0.2	<0.003	1.4	0.3	10
244 LD	8	<0.002	<0.1	0.6	<0.01	<0.05	<0.01	0.2	<0.2	0.001	<0.1	<0.03	0.1	<0.1	<0.2	<0.003	1.4	0.3	10
124	14	<0.002	<0.2	0.4	<0.01	<0.05	<0.05	0.2	0.6	0.6	0.1	<0.05	0.7	<0.1	<0.2	<0.003	1.1	0.8	<5
144	8	<0.002	<0.1	0.6	<0.01	<0.05	<0.05	0.2	<0.2	<0.2	<0.1	<0.03	<0.2	<0.1	<0.2	<0.003	1.4	0.3	<5
098 WGY	0.2	–	–	<0.05	<0.01	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.02	<0.05	–	–	–	<0.02	<0.02	10
095 WGY	9	–	–	<0.05	<0.01	<0.05	<0.05	0.07	0.1	<0.05	<0.05	<0.02	0.1	–	–	–	<0.02	<0.02	<10
510, 520, 530	14	<0.01	<0.2	0.4	<0.01	<0.05	<0.05	0.2	0.6	0.1	0.1	<0.05	0.7	<0.1	<0.2	<0.003	1.1	0.8	50
512, 522, 532	8	<0.01	<0.1	0.6	<0.01	<0.05	<0.05	0.2	0.5	<0.1	<0.1	<0.05	0.7	<0.1	<0.2	<0.003	1.4	0.2	50
567, 577, 587	14	<0.01	<0.2	0.4	<0.01	<0.05	<0.05	0.2	<0.03	0.1	0.1	<0.05	<0.2	<0.1	<0.2	<0.003	1.1	0.8	70
568, 578, 588	8	<0.01	<0.1	0.6	<0.01	<0.05	<0.05	0.5	<0.03	<0.1	<0.1	<0.05	<0.2	<0.1	<0.2	<0.003	1.4	0.2	70

\*Types 214 LD and 224 LD may contain a higher amount of surface hydroxyl (OH) ions, but the values represent a bulk average for the total wall thickness.

\*Typical data are average data and actual values may vary. Typical data value should not be used as specifications.

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