

Client Information has been removed from this Document.

Date: 6/25/2019

Customer:

PO#:

Alloy: A356.1

Heat #	Sow/Bundle#	Weight	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	B	Ba	Be	Bi	Ca	Cd	Ga	Li	Na	P	Pb	Sn	Sr	Sb	V	Zr	As	Al
T-1026	1	2054	7.330	0.138	0.010	0.025	0.335	0.004	0.003	0.013	0.108	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0080	0.0000	0.0000	0.0000	0.0197	0.0071	0.0068	<.002	0.0080	0.002	0.0000	91.98
	2	2060	7.040	0.131	0.012	0.031	0.344	0.007	0.004	0.013	0.108	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0080	0.0000	0.0000	0.0000	0.0161	0.0074	0.0064	<.002	0.0080	0.002	0.0000	92.26
	3	2114	7.090	0.140	0.013	0.031	0.352	0.006	0.004	0.014	0.111	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0142	0.0074	0.0065	0.0020	0.0090	0.002	0.0000	92.19
	4	2096	6.960	0.138	0.011	0.027	0.314	0.007	0.004	0.014	0.117	<.0005	0.0000	<.0005	<.005	0.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0211	0.0075	0.0079	<.002	0.0080	0.002	0.0000	92.35
	5	2120	7.000	0.137	0.011	0.027	0.312	0.007	0.004	0.013	0.119	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0080	0.0000	0.0000	0.0000	0.0208	0.0074	0.0077	<.002	0.0080	0.002	0.0000	92.32
	6	2032	7.130	0.137	0.013	0.033	0.332	0.008	0.004	0.015	0.111	<.0005	0.0000	<.0005	<.005	0.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0171	0.0073	0.0071	<.002	0.0090	<.002	0.0000	92.17
	7	2076	6.630	0.130	0.014	0.026	0.311	0.009	0.004	0.011	0.109	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0080	0.0000	0.0000	0.0000	0.0111	0.0078	0.0039	<.002	0.0080	0.003	0.0000	92.71
	8	2078	7.260	0.144	0.015	0.032	0.350	0.008	0.005	0.019	0.104	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0171	0.0072	0.0071	<.002	0.0080	0.002	0.0000	92.01
	9	2066	7.120	0.144	0.015	0.024	0.338	0.007	0.004	0.013	0.109	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0152	0.0074	0.0075	<.002	0.0080	0.002	0.0000	92.18
	10	2004	6.930	0.131	0.012	0.033	0.331	0.008	0.005	0.015	0.115	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0167	0.0076	0.0065	<.002	0.0090	<.002	0.0000	92.37
	11	2104	7.300	0.136	0.013	0.028	0.358	0.005	0.005	0.012	0.099	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0213	0.0071	0.0068	<.002	0.0080	0.002	0.0000	91.99
	12	2190	6.750	0.133	0.015	0.039	0.345	0.009	0.004	0.014	0.107	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0163	0.0076	0.0062	<.002	0.0080	<.002	0.0000	92.54
	13	1978	7.140	0.144	0.019	0.030	0.364	0.008	0.004	0.016	0.102	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0159	0.0073	0.0068	<.002	0.0080	<.002	0.0000	92.13
	14	2183	6.810	0.131	0.014	0.027	0.329	0.008	0.004	0.014	0.110	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0080	0.0000	0.0000	0.0000	0.0199	0.0076	0.0065	<.002	0.0080	0.003	0.0000	92.50
	15	2090	6.950	0.129	0.012	0.026	0.316	0.004	0.007	0.017	0.112	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0080	0.0000	0.0000	0.0000	0.0169	0.0075	0.0074	<.002	0.0080	0.003	0.0000	92.38
	16	2095	7.070	0.142	0.012	0.030	0.349	0.007	0.004	0.015	0.113	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0130	0.0075	0.0066	<.002	0.0090	0.003	0.0000	92.21
	17	2084	7.350	0.139	0.014	0.035	0.332	0.008	0.006	0.017	0.107	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0178	0.0073	0.0072	0.0020	0.0080	<.002	0.0000	91.94
	18	2097	6.710	0.136	0.014	0.038	0.364	0.009	0.002	0.014	0.101	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0080	0.0000	0.0000	0.0000	0.0159	0.0075	0.0059	<.002	0.0080	<.002	0.0000	92.57
	19	2101	6.930	0.130	0.015	0.027	0.314	0.009	0.006	0.018	0.114	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0080	0.0000	0.0000	0.0000	0.0242	0.0076	0.0068	<.002	0.0080	0.003	0.0000	92.38
	20	2150	7.310	0.135	0.015	0.028	0.336	0.006	0.005	0.013	0.109	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0090	0.0000	0.0000	0.0000	0.0151	0.0072	0.0082	<.002	0.0080	0.003	0.0000	91.99
			Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	B	Ba	Be	Bi	Ca	Cd	Ga	Li	Na	P	Pb	Sn	Sr	Sb	V	Zr	As	Al
			7.041	0.136	0.013	0.030	0.336	0.007	0.004	0.015	0.109	<.0005	0.0000	<.0005	<.005	<.0005	<.0005	0.0086	0.0000	0.0000	0.0000	0.0173	0.0074	0.0068	0.0020	0.0082	0.0024	0.0000	92.26

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**\*WARNING!** Aluminum ingots and sows can contain voids or shrink cavities which may contain moisture. All material must be properly preheated to avoid explosion.

\*Note: Chemical concentrations of less than .01% may not be reported. All material has passed radiation inspection.

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