

Analytical testing of mattress metal composition, hardness and SAE grade

May, 2020

Sample	Manufacturer	Manufacturing Date	Metal Type	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	HRC	Grade
1	Superior Bedding Co.	3/13/2014	Foundation	0.05	0.34	0.006	0.020	0.10	0.08	0.09	0.02	0.19	26	1008
2	Sherwood West	8/1/2016	Foundation	0.05	0.35	0.008	0.017	0.11	0.07	0.10	0.02	0.25	24	1008
3	Spring Air CA	2/6/2008	Foundation	0.06	0.35	0.009	0.019	0.11	0.07	0.10	0.02	0.20	27	1008
4	Serta Mattress Company	10/17/2012	Foundation	0.05	0.35	0.008	0.016	0.10	0.07	0.09	0.02	0.16	27	1008
5	Simmons	3/20/2013	Foundation	0.05	0.38	0.005	0.020	0.16	0.04	0.05	0.01	0.11	28	1008
6	SSB Manufacturing	6/5/2019	Foundation	0.05	0.32	0.006	0.012	0.12	0.07	0.08	0.02	0.23	29	1008
7	Sealy Mattress Co	12/10/1997	Foundation	0.71	0.66	0.007	0.007	0.23	0.02	0.02	<0.01	0.05	43	1070
8	Escalera's Mattress Factory	8/13/2013	Foundation	0.70	0.67	0.006	0.012	0.22	0.02	0.02	<0.01	0.04	43	1070
9	Superior Bedding Co.	3/13/2014	Foundation	0.07	0.29	0.022	0.030	0.08	<0.01	0.02	<0.01	<0.01	27	1008
10	Sherwood West	8/1/2016	Staples	0.05	0.35	0.008	0.008	0.14	0.05	0.02	0.01	0.12	27	1008
11	Spring Air CA	2/6/2008	Staples	0.18	0.58	0.011	0.021	0.18	0.04	0.07	0.01	0.03	29	1015
12	Serta Mattress Company	10/17/2012	Staples	0.12	0.54	0.010	0.004	0.15	0.01	0.02	<0.01	0.01	35	1015
13	Simmons	3/20/2013	Staples	0.08	0.33	0.026	0.022	0.06	0.04	0.07	<0.01	0.01	26	1008
14	SSB Manufacturing	6/5/2019	Staples	0.04	0.28	0.020	0.021	0.06	0.01	0.02	<0.01	0.01	25	1008
15	Sherwood Bedding	3/1/2014	Bonnell Coil	0.65	0.64	0.006	0.016	0.20	0.06	0.09	0.02	0.15	49	1070
16	Cannon Sleep Products	8/1/2005	Bonnell Coil	0.54	0.64	0.011	0.015	0.22	0.09	0.14	0.02	0.21	44	1055
17	CVMLWB005-CVB Inc	6/1/2017	Bonnell Coil	0.67	0.58	0.019	0.012	0.22	<0.01	0.01	<0.01	<0.01	46	1070
18	Pleasure Mattress	6/9/2008	Bonnell Coil	0.59	0.68	0.006	0.015	0.26	0.06	0.08	0.01	0.16	46	1055
19	Serta Mattress Company	6/28/2011	Bonnell Coil	0.64	0.63	0.009	0.014	0.20	0.06	0.08	0.01	0.17	46	1065
20	BV Netherlands	1/28/1991	Bonnell Coil	0.52	0.62	0.007	0.013	0.20	0.08	0.09	0.01	0.22	44	1055
21	Sealy Mattress Co	4/1/2008	Bonnell Coil	0.59	0.68	0.009	0.009	0.23	0.06	0.10	0.01	0.21	47	1055
22	Pleasant Mattress, Inc.	8/5/2013	Bonnell Coil	0.64	0.56	0.009	0.005	0.23	0.02	0.03	<0.01	0.05	49	1065
23	Mattress Outlet	12/15/2017	Pocket Coil	0.50	0.66	0.008	0.015	0.23	0.04	0.09	0.01	0.10	50	1055
24	Simmons - Compton	10/13/2010	Pocket Coil	0.71	0.66	0.015	0.016	0.20	0.06	0.08	0.01	0.16	52	1070
25	Serta Mattress Company	3/4/2015	Pocket Coil	0.73	0.62	0.008	0.018	0.20	0.07	0.10	0.02	0.17	51	1070
26	National Bedding Company	12/7/2015	Pocket Coil	0.74	0.65	0.009	0.014	0.20	0.06	0.10	0.02	0.17	50	1070
27	Simmons - Compton	10/16/2007	Pocket Coil	0.76	0.64	0.005	0.020	0.15	0.07	0.11	0.01	0.20	52	1070
28	Simmons - San Leandro	10/1/2001	Pocket Coil	0.77	0.67	0.008	0.016	0.16	0.07	0.12	0.01	0.20	50	1070
29	Sealy Mattress	2/20/2017	Pocket Coil	0.68	0.65	0.008	0.012	0.20	0.06	0.07	0.02	0.19	52	1070
30	CCM-49	9/1/2019	Pocket Coil	0.65	0.56	0.020	0.008	0.22	0.01	0.04	<0.01	0.02	47	1070

Metal Testing

