

**STAINLESS BAR  
RAW MATERIAL COMPOSITION  
\$/LB**

**JULY 2019 SURCHARGE TABLE**

GRADE	Ni	Mo	Cr	Fe	Cu	ENERGY	TOTAL
<b>302HQ</b>	\$0.31	\$0.23	\$0.13	\$0.05	\$0.06	\$0.00	<b>\$0.78</b>
<b>303</b>	\$0.28	\$0.02	\$0.13	\$0.05	\$0.01	\$0.00	<b>\$0.49</b>
<b>304/L</b>	\$0.28	\$0.02	\$0.13	\$0.05	\$0.01	\$0.00	<b>\$0.49</b>
<b>316/L</b>	\$0.34	\$0.19	\$0.13	\$0.05	\$0.01	\$0.00	<b>\$0.72</b>
<b>316Ti</b>	\$0.34	\$0.19	\$0.13	\$0.05	\$0.01	\$0.00	<b>\$0.72</b>
<b>305</b>	\$0.38	\$0.00	\$0.14	\$0.05	\$0.00	\$0.00	<b>\$0.57</b>
<b>310</b>	\$0.68	\$0.00	\$0.19	\$0.04	\$0.00	\$0.00	<b>\$0.91</b>
<b>314</b>	\$0.70	\$0.00	\$0.19	\$0.04	\$0.00	\$0.00	<b>\$0.93</b>
<b>321</b>	\$0.31	\$0.00	\$0.14	\$0.05	\$0.00	\$0.00	<b>\$0.50</b>
<b>347</b>	\$0.32	\$0.00	\$0.14	\$0.05	\$0.00	\$0.00	<b>\$0.51</b>
<b>410</b>	\$0.00	\$0.00	\$0.09	\$0.06	\$0.00	\$0.00	<b>\$0.15</b>
<b>416</b>	\$0.01	\$0.00	\$0.10	\$0.06	\$0.00	\$0.00	<b>\$0.17</b>
<b>420</b>	\$0.01	\$0.00	\$0.10	\$0.06	\$0.00	\$0.00	<b>\$0.17</b>
<b>430</b>	\$0.01	\$0.00	\$0.13	\$0.06	\$0.00	\$0.00	<b>\$0.20</b>
<b>430F</b>	\$0.01	\$0.00	\$0.13	\$0.06	\$0.00	\$0.00	<b>\$0.20</b>
<b>430FR</b>	\$0.01	\$0.00	\$0.13	\$0.06	\$0.00	\$0.00	<b>\$0.20</b>
<b>630 (17-4)</b>	\$0.17	\$0.00	\$0.12	\$0.06	\$0.08	\$0.00	<b>\$0.43</b>
<b>2205</b>	0.20	0.24	0.17	0.05	0.00	\$0.00	<b>\$0.66</b>
<b>ALLOY</b>							
<b>B7</b>	\$0.00	\$0.02	\$0.01	\$0.07	\$0.00	\$0.00	<b>\$0.10</b>
<b>B16</b>	\$0.00	\$0.04	\$0.01	\$0.07	\$0.00	\$0.00	<b>\$0.12</b>

	<u>Base</u>	<u>June 20, 2019 Averages</u>
<b>Molybdenum</b>	\$5.00	\$12.16
<b>Nickel</b>	\$3.00	\$5.62
<b>Nickel Premium</b>		\$0.38
<b>Chrome</b>	\$0.40	\$1.04
<b>Iron</b>	\$0.0625	\$0.13
<b>Copper</b>	\$1.00	\$2.65
<b>Natural Gas</b>	\$6.00	\$2.51