

101.6 - Stainless Steels (chip and powder forms)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Elemental Composition (mass fraction in %)

SRM Description	Unit of Issue	Aluminum (Al)	Arsenic (As)	Bismuth (Bi)	Boron (B)	Carbon (C)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Nickel (Ni)	Niobium (Nb)	Nitrogen (N)
101g 18 Cr-10 Ni Steel (AISI 304L) (powder form)	100 g					0.0136	18.46	0.09	0.029		0.085	0.004	10.00		
123c Stainless Steel, Cr-Ni-Nb (AISI 348)	150 g					0.056	17.40	0.12	0.103		1.75	0.22	11.34	0.65	
133b Chromium-Molybdenum Steel	150 g					0.128	12.63		0.080		1.07	0.052	0.230		(0.05)
160b Stainless Steel (Cr 18-Ni 12-Mo 2) (AISI 316)	150 g		0.01067	(<0.0005)		0.0445	18.37	0.1052	0.1734	(0.001)	1.619	2.386	12.35		(0.04)
166c Low-Carbon Stainless Steel (AISI 316L) (chip form)	100 g					0.00781									
339 17 Chromium-9 Nickel-0.2 Selenium Steel	150 g					0.052	17.42	0.096	0.199		0.738	0.248	8.89		
893 Stainless Steel (SAE 405)	150 g	(0.20)				0.027	13.55	0.020	0.261	(0.0001)	0.378	0.023	0.192	(<0.0005)	
895 Stainless Steel (SAE 201)	150 g					0.066	16.72	0.126	0.439	(0.0001)	7.09	0.337	5.34	(<0.009)	

- Certified values are normal font
- Non-certified or reference values are italicized
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Phosphorus (P)
0.007
<i>0.024</i>
0.018
<i>0.0200</i>
<i>0.129</i>
0.022
<i>0.038</i>

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