

Material Test Report

Flowtrend 304 Manways

This manway meets the properties of ANSI 304. The actual elemental composition shown in the table is from the Mill Test Report provided by the manufacturer and only applies to the product contact areas.

Heat #	Type	Size	Material	%	C	Mn	P	S	Si	Cr	Ni	Hardness (RB)	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)	Raw Material Specification
				Min %	-	-	-	-	-	18.0	8.0					
				Max %	0.08	2.0	0.045	0.03	0.75	20.0	10.0					
S643840	Coil	50 X 50 X 2.94	304	Actual	0.038	1.12	0.03	0.006	0.43	18.05	8.05	86	285	712	52	ASTM A240/A240M-2018:304
21940	Coil	50 X 50 X 8.0	304	Actual	0.045	1.09	0.024	0.002	0.47	18.17	8.04	83	272	665	57	ASME SA240 ASTM A240
902819	Coil	50 X 50 X 4.0	304	Actual	0.046	1.05	0.023	0.004	0.43	18.19	8.04	84	284	677	57	ASME SA240 ASTM A240
922211	Coil	50 X 50 X 8.0	304	Actual	0.045	1.09	0.024	0.002	0.47	18.17	8.04	83	272	665	57	ASME SA240 ASTM A240
902820	Coil	50 X 50 X 5.0	304	Actual	0.047	1.05	0.028	0.003	0.50	18.35	8.09	82	288	685	54	ASME SA240 ASTM A240
940880	Coil	50 X 12 X 15	304	Actual	0.017	1.24	0.033	0.003	0.37	18.21	8.06	84	275	711	55	ASTM A240 - 2012

All items that are supplied by Flowtrend, an ISO 9001 certified company, are also quality inspected per FT-QA-001, *Product Receiving Inspection and Acceptance Procedure* prior to release to ensure that products meet the product specifications and acceptable quality standards, including material type.

Barry Plante

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