

MATERIAL COMPOSITION TEST REPORT

Stainless Steel 316

Material and/or Finish Coatings (Only)

Product Sample (Tested):	Pad-lockable Swing Handle
Part Number/s Applicable:	Millennium Series 1107-SS02-316
Report No#:	25096-A
Test Parameters:	Material Composition Test
Test Standard/s:	EN 10088-3:2023 (BS EN) (Supersedes [Prev]: EN 10088-3:2014 / EN 10088-3:2005 / EN 10088-3:1995)
Material Grade/s:	AISI 316 / 1.4401 (DIN EN)
Melt No#:	2024.12.20.6D.03
Testing Period:	18/02/2025
Findings Approved by:	Material Compliance Inspector QA Manager
Report Approved by:	Operations Manager Technical Product Manager

AISI 316 (DIN EN 1.4401):	Chemical Composition Results - Material Composition Test							
Element	C	Si	Mn	S	P	Cr	Mo	Ni
Standard (Specified)	≤ 0.07 %	≤ 1.0 %	≤ 2.0 %	≤ 0.03 %	≤ 0.045 %	16.0 -18.0 %	2.0 - 2.5 %	10.0 - 13.5 %
Measured (Test Results)	0.043 %	0.534 %	0.969 %	0.007 %	0.031 %	17.11 %	2.15 %	10.12 %

Stainless Steel 316 (General):		Equivalent Chemical Compositions - Grade Designations							
~	Element	C	Si	Mn	S	P	Cr	Mo	Ni
Grd.	AISI 316 (1.4401)	≤ 0.07 %	≤ 1.0 %	≤ 2.0 %	≤ 0.03 %	≤ 0.045 %	16.0 -18.0 %	2.0 - 2.5 %	10.0 - 13.5 %
Grd.	CF-8M	≤ 0.08 %	≤ 1.5 %	≤ 1.5 %	≤ 0.04 %	≤ 0.04 %	18.0 - 21.0 %	2.0 - 3.0 %	9.0 - 12.0 %
Grd.	SUS 316	≤ 0.08 %	≤ 1.0 %	≤ 2.0 %	≤ 0.03 %	≤ 0.045 %	16.0 -18.0 %	2.0 - 3.0 %	10.0 - 14.0 %
Grd.	SS 316	≤ 0.08 %	≤ 0.75 %	≤ 2.0 %	≤ 0.03 %	≤ 0.045 %	16.0 -18.0 %	2.0 - 3.0 %	10.0 - 14.0 %
Grd.	SS 316L (Low Carbon)	≤ 0.03 %	≤ 0.75 %	≤ 2.0 %	≤ 0.03 %	≤ 0.045 %	16.0 -18.0 %	2.0 - 3.0 %	10.0 - 14.0 %

*** END OF REPORT ***

Disclaimer: The above document is derived from original test reports and certificates carried out by the manufacturer and/or independent lab facilities. The contents of this report (including any/all designation comparisons between selected grades of stainless and their respective material/chemical compositions) are intended for information purposes only relating to product & material quality, industry standards and/or guidelines. The contents of this report should not be used for advertisement, evidence or litigation purposes.