

MATERIAL CERTIFICATION According to EN 10204-3.1

MATERIAL: 316SS
Quantity: 1pcs

Date : 2022. 02. 25
Part Name: 40173XX

Heat treatment Process: Solution annealing
Temperature : 1050°C -1060 °C
holding time: 2-2.5 hours
Cooling: Water

Part Name	Pouring Date	Heat No.	Chemical Analysis AISI 316								Mechanical Properties (According to ASTM-A743 CF-8M)			
			C	Si	Mn	P	S	Cr	Mo	Ni	Tensile Strength Rm N/mm2	Yield strength Rp0.2N/mm2	Elongation	Hardness
			%	%	%	%	%	%	%	%	Mpa	Mpa	δ%	HRB
			≤0.08	<1.0	≤2.0	≤0.045	≤0.03	16.0-18.0	2.0-3.0	10.0-14.0	≥485	≥205	≥30	
4017316	21.09.16	0206	0.049	0.620	1.403	0.034	0.018	16.500	2.482	10.480	556	305	42%	78.60
4017320	21.09.18	0219	0.052	0.693	1.445	0.029	0.021	16.300	2.562	10.560	549	308	41%	78.80
4017324	21.10.05	0110	0.052	0.619	1.393	0.029	0.014	17.070	2.506	10.530	541	312	40%	79.50
4017330	21.10.08	0223	0.049	0.651	1.430	0.034	0.014	16.800	2.484	10.440	556	295	41%	78.60
4017335	21.12.10	0105	0.049	0.632	1.348	0.036	0.015	16.290	2.381	10.550	559	306	39%	78.90
4017342	21.12.15	0203	0.046	0.575	1.190	0.033	0.015	16.660	2.450	10.600	565	298	39%	80.60
4017345	21.12.18	0205	0.052	0.684	1.360	0.030	0.016	16.210	2.532	10.800	562	305	40%	81.50

Statement : We herein state that the chemical composition test report submitted above is real and effective.

MR. M. DI MAIO
 Quality Manager
 IP level VT, PT & RT Operator
 OSCULATI SRL