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Specialist Suppliers of Hygienic & BSP Valves, Fittings & Tube

Mill Test & Inspection Certificate

EN 10204-3.1

Purchase Order	34034	Serial No	1141015
Material Grade	TP316L	Material Specification	ASTM A270/A270M-14

Test Result

Item No.	Description	Size	Quantity pcs	Surface Finish Designation	Heat No.
1	BS 90° Elbow Long,R=1D	1.5"	100	I/O#180	254965
2	BS 90° Elbow Long,R=1D	2.0"	100	I/O#180	238384

Chemical Composition %

Item No.	C	Si	Mn	P	S	Ni	Cr	Mo	Heat No.
Min						10.000	16.000	2.000	
Max	0.030	1.000	2.000	0.045	0.030	14.000	18.000	3.000	
1	0.017	0.500	1.350	0.027	0.001	10.170	16.100	2.050	254965
2	0.020	0.520	1.340	0.019	0.001	10.250	16.120	2.050	238384

Mechanical Test

Item No.	Yield Strength (0.2%) N/mm ²	Tensile Strength N/mm ²	Elongation %	Hardness HRB	Heat No.
Min	170.000	485.000	35.00		
Max				90.00	
1	170.00	485.00	35.00	76.00	254965
2	240.00	578.00	52.00	76.00	238384

Final Control

Dimensional Control	Visual Control	Surface Roughness	
OK	OK	ID	OD
		OK	OK