



Mill Test Certificates Acc. EN 10204 -3.1

Customer: MAJDALANI INOX

Certificate number: 4298711

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ORDER NO.: 30134

INVOICE NO.: IN3391/20

DATE: 31/12/2019

NO	Item	Description	Material	Size	Qty	Heat No.	CODE	HEAT TREAT
1	ELBOW 45°	ASTM B16.11 3000LBS NPT	A182 F316L	3/4"	100	7S20N	-	NORMALIZED AT 1050-1100°C WATER QUENCHED
2	ELBOW 45°	ASTM B16.11 3000LBS NPT	A182 F316L	1"	50	7S39E	-	
3	ELBOW 45°	ASTM B16.11 3000LBS NPT	A182 F316L	1 1/4"	25	7S42A	-	
4	ELBOW 45°	ASTM B16.11 3000LBS NPT	A182 F316L	2"	25	7S60N	-	
5	TEE	ASTM B16.11 3000LBS NPT	A182 F316L	1/4"	200	7S11K	-	
6	TEE	ASTM B16.11 3000LBS NPT	A182 F316L	3/8"	100	7S11K	-	
7	TEE	ASTM B16.11 3000LBS NPT	A182 F316L	1/2"	200	7S11K	-	
8	TEE	ASTM B16.11 3000LBS NPT	A182 F316L	3/4"	200	7S20N	-	
9	TEE	ASTM B16.11 3000LBS NPT	A182 F316L	1"	100	7S39E	-	
10	TEE	ASTM B16.11 3000LBS NPT	A182 F316L	1 1/4"	25	7S42A	-	

Chemical Composition and Mechanical Property for Raw Material

Chemical Composition (%)										Mechanical Property				
Testing Data	HEAT NO.	C	Si	Mn	P	S	Cr	Ni	Mo	Tensile Strength	Yield Strength	Elongation	R of A	Hardness
										Mpa(N/mm ²)	Mpa(N/mm ²)	%	%	HB
1	7S20N	0.021	0.49	1.09	0.028	0.002	16.21	10.11	2.05	608	318	42.5	70.5	OK
2	7S39E	0.019	0.41	1.08	0.031	0.003	16.21	10.12	2.03	590	315	40.5	68.5	OK
3	7S42A	0.022	0.45	1.11	0.025	0.008	16.25	10.17	2.08	602	325	41	63.5	OK
4	7S60N	0.015	0.51	0.98	0.021	0.005	16.28	10.09	2.06	611	318	42	64	OK
5	7S11K	0.021	0.38	1.15	0.034	0.006	16.38	10.23	2.07	605	325	41.5	69.5	OK
6	7S11K	0.021	0.38	1.15	0.034	0.006	16.38	10.23	2.07	605	325	41.5	69.5	OK
7	7S11K	0.021	0.38	1.15	0.034	0.006	16.38	10.23	2.07	605	325	41.5	69.5	OK
8	7S20N	0.021	0.49	1.09	0.028	0.002	16.21	10.11	2.05	608	318	42.5	70.5	OK
9	7S39E	0.019	0.41	1.08	0.031	0.003	16.21	10.12	2.03	590	315	40.5	68.5	OK
10	7S42A	0.022	0.45	1.11	0.025	0.008	16.25	10.17	2.08	602	325	41	63.5	OK

Remarks:

1. Dimensions: good.
2. Visual: good.
3. Surface Treatment: sand shot blasting

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN BEEN MADE IN ACCORDANCE WITH THE RESULTS OF THE CONTRACT AND CONFIRM TO THE SPECIFICATION ABOVE.

The material is manufactured according to a Quality management system approved and registered to ISO 9001 and PED 97/23 EC.