

MILL'S TEST CERTIFICATE
(ACC. TO EN 10204 / 3.1)
Yücel Boru ve Profil Endüstrisi A.Ş.

Customer	HAKAN SAC METAL ANONİM ŞİRKETİ	Order	15483217	Date	22.12.2020
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INSPECTION AND TEST RESULTS					

MECHANICAL PROPERTIES / CHEMICAL ANALYSIS

								IMPACT ENERGY (Joule)																											
Size x Thickness (mm)	Length (m)	Bundle Ref.No.	Product	Quality	Tensile Strength (N/mm2)	Yield Strength (N/mm2)	Elong (%)	TEMP (°C)	1	2	3	AVG	C %	Si %	Mn %	P %	S %	Ni %	Cr %	Mo %	V %	Cu %	Al %	Ti %	Nb %	N %	Ceq %	NDT	Type	Coat.	Heat Number	Dimension Control Standard			
48.3x2.5	6	7420030924	CHS	S235JRH	396	312	35	-	-	-	-	-	0.058	0.035	0.595	0.011	0.007	0.053	0.035	0.004	0.000	0.074	0.035	0.001	0.001	0.005	0.173	OK	HR	-	20115197	TS EN 10219-1:2006			
48.3x3	6	7420030863	CHS	S235JRH	418	337	27	-	-	-	-	-	0.057	0.016	0.577	0.010	0.009	0.036	0.035	0.003	0.000	0.057	0.051	0.001	0.000	0.003	0.167	OK	HR	-	20116891	TS EN 10219-1:2006			
48.3x3	6	7420030861	CHS	S235JRH	429	352	26	-	-	-	-	-	0.063	0.011	0.583	0.010	0.016	0.044	0.040	0.003	0.001	0.068	0.049	0.000	0.001	0.006	0.176	OK	HR	-	20116866	TS EN 10219-1:2006			
48.3x3	6	7420030860	CHS	S235JRH	429	352	26	-	-	-	-	-	0.063	0.011	0.583	0.010	0.016	0.044	0.040	0.003	0.001	0.068	0.049	0.000	0.001	0.006	0.176	OK	HR	-	20116866	TS EN 10219-1:2006			
48.3x3	6	7420030801	CHS	S235JRH	402	260	34	-	-	-	-	-	0.110	0.012	0.400	0.018	0.030	0.010	0.030	0.003	0.003	0.010	0.001	0.001	0.001	0.001	0.185	OK	HR	-	1210708	TS EN 10219-1:2006			
48.3x3	6	7420030794	CHS	S235JRH	436	294	31	-	-	-	-	-	0.110	0.018	0.370	0.022	0.018	0.010	0.030	0.001	0.003	0.010	0.001	0.001	0.001	0.001	0.180	OK	HR	-	103498	TS EN 10219-1:2006			
60x60x3	6	8020035911	SHS	S235JRH	429	352	26	-	-	-	-	-	0.052	0.016	0.562	0.010	0.015	0.050	0.040	0.003	0.002	0.078	0.056	0.000	0.001	0.007	0.163	OK	HR	-	20116867	TS EN 10219-1:2006			
60x60x3	6	8020035912	SHS	S235JRH	429	352	26	-	-	-	-	-	0.052	0.016	0.562	0.010	0.015	0.050	0.040	0.003	0.002	0.078	0.056	0.000	0.001	0.007	0.163	OK	HR	-	20116867	TS EN 10219-1:2006			
60x60x3	6	8020035913	SHS	S235JRH	404	341	34	-	-	-	-	-	0.066	0.013	0.587	0.009	0.012	0.044	0.033	0.003	0.000	0.061	0.047	0.001	0.000	0.004	0.178	OK	HR	-	20228293	TS EN 10219-1:2006			
60x60x3	6	8020035914	SHS	S235JRH	404	341	34	-	-	-	-	-	0.066	0.013	0.587	0.009	0.012	0.044	0.033	0.003	0.000	0.061	0.047	0.001	0.000	0.004	0.178	OK	HR	-	20228293	TS EN 10219-1:2006			
60x60x3	6	8020035915	SHS	S235JRH	404	341	34	-	-	-	-	-	0.066	0.013	0.587	0.009	0.012	0.044	0.033	0.003	0.000	0.061	0.047	0.001	0.000	0.004	0.178	OK	HR	-	20228293	TS EN 10219-1:2006			
60x60x3	6	8020035916	SHS	S235JRH	435	361	30	-	-	-	-	-	0.060	0.018	0.584	0.010	0.020	0.044	0.039	0.003	0.002	0.074	0.064	0.001	0.001	0.006	0.174	OK	HR	-	20116869	TS EN 10219-1:2006			
80x80x2.5	6	5020037410	SHS	S235JRH	396	312	35	-	-	-	-	-	0.058	0.035	0.595	0.011	0.007	0.053	0.035	0.004	0.000	0.074	0.035	0.001	0.001	0.005	0.173	OK	HR	-	20115197	TS EN 10219-1:2006			
80x80x2.5	6	5020037411	SHS	S235JRH	438	367	30	-	-	-	-	-	0.057	0.025	0.220	0.018	0.016	0.130	0.100	0.024	0.001	0.440	0.040	0.001	0.001	0.008	0.157	OK	HR	-	20108378	TS EN 10219-1:2006			
80x80x2.5	6	5020037412	SHS	S235JRH	438	367	30	-	-	-	-	-	0.057	0.025	0.220	0.018	0.016	0.130	0.100	0.024	0.001	0.440	0.040	0.001	0.001	0.008	0.157	OK	HR	-	20108378	TS EN 10219-1:2006			
80x80x2.5	6	5020037413	SHS	S235JRH	438	367	30	-	-	-	-	-	0.057	0.025	0.220	0.018	0.016	0.130	0.100	0.024	0.001	0.440	0.040	0.001	0.001	0.008	0.157	OK	HR	-	20108378	TS EN 10219-1:2006			
80x80x2.5	6	5020037409	SHS	S235JRH	396	312	35	-	-	-	-	-	0.058	0.035	0.595	0.011	0.007	0.053	0.035	0.004	0.000	0.074	0.035	0.001	0.001	0.005	0.173	OK	HR	-	20115197	TS EN 10219-1:2006			
88.9x2	6	5020036312	CHS	S235JRH	431	362	29	-	-	-	-	-	0.051	0.023	0.220	0.015	0.018	0.130	0.080	0.018	0.001	0.480	0.021	0.001	0.001	0.008	0.148	OK	HR	-	20108077	TS EN 10219-1:2006			
88.9x2	6	5020036311	CHS	S235JRH	431	362	29	-	-	-	-	-	0.051	0.023	0.220	0.015	0.018	0.130	0.080	0.018	0.001	0.480	0.021	0.001	0.001	0.008	0.148	OK	HR	-	20108077	TS EN 10219-1:2006			
88.9x2	6	5020036310	CHS	S235JRH	431	362	29	-	-	-	-	-	0.051	0.023	0.220	0.015	0.018	0.130	0.080	0.018	0.001	0.480	0.021	0.001	0.001	0.008	0.148	OK	HR	-	20108077	TS EN 10219-1:2006			
88.9x2	6	5020036309	CHS	S235JRH	433	373	28	-	-	-	-	-	0.053	0.014	0.260	0.016	0.017	0.140	0.100	0.023	0.002	0.410	0.012	0.001	0.002	0.008	0.158	OK	HR	-	20109014	TS EN 10219-1:2006			
88.9x2	6	5020036308	CHS	S235JRH	433	373	28	-	-	-	-	-	0.053	0.014	0.260	0.016	0.017	0.140	0.100	0.023	0.002	0.410	0.012	0.001	0.002	0.008	0.158	OK	HR	-	20109014	TS EN 10219-1:2006			

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE. This certificate is prepared in electronic data system and having validity without signature in accordance with item 5 of EN 10204 standart.	PREPARED by Yücel Boru ve Profil A.Ş. Barış Mah. Koşuyolu Cad. No:12 Gebze/Kocaeli/TURKEY Tel:(0262) 648 68 00 (pbx)	APPROVED by MURAT ORHON Quality Manager