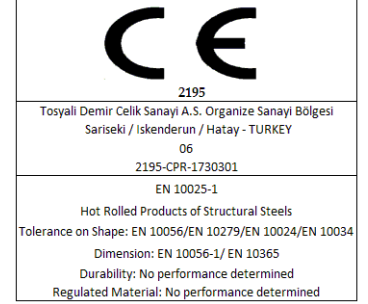


# MILL TEST CERTIFICATE

CERTIFICATE NO :1000291563  
 PAGE NO :1 / 2  
 CERT. DATE :23.03.2023  
 CERT NORM. :EN 10204-3.1  
 STEEL QUALITY STANDART :EN 10025-2  
 VESSEL NAME :CONTAINER\_ASSAN  
 CUSTOMER ORDER NO :10701991



NAME & ADDRESS OF THE CUSTOMER  
**FEON OY**  
 Teollisuuskatu 33, FI-00510 P.O. Bo FI-00511  
 Helsinki, Finland

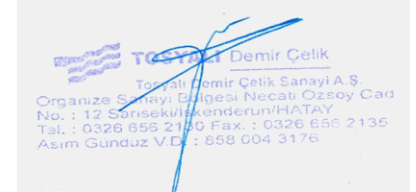
DESCRIPTION OF GOODS:  
 PRIME HOT ROLLED MERCHANT BARS (P.O. 45831)



ITEM	SIZE (mm)	LENGTH (mm)	HEAT NO	C %	SI %	MN %	P %	S %	N %	CU %	AL %	V %	CEV %	PT FT	YIELD YS N/mm <sup>2</sup>	TENSILE TS N/mm <sup>2</sup>	ELONGATI ON E(%)	JOULE DARBE IE	IE1 J	IE2 J	IE3 J	TT °C	STEEL GRADE	PRODUCT NORM
1	KB-100X100X1000	12.000	822300996	0.15	0.15	1.10	0.016	0.018	0.007	0.32	0.039	0.041	0.38	G	400.0	550.0	26.0	75	79	77	68	-20	S355J2	EN 10056
2	KB-100X100X1000	12.000	822300938	0.16	0.16	1.14	0.017	0.011	0.007	0.38	0.031	0.043	0.40	G	403.0	548.0	26.0	58	56	60	57	-20	S355J2	EN 10056
3	KB-100X100X1000	12.000	822300732	0.15	0.16	1.09	0.020	0.012	0.007	0.43	0.032	0.040	0.39	G	397.0	521.0	27.0	62	59	61	67	-20	S355J2	EN 10056
4	KB-120X120X1200	12.000	822301001	0.16	0.18	1.13	0.013	0.015	0.007	0.29	0.042	0.041	0.39	G	392.0	538.0	27.0	47	53	42	45	-20	S355J2	EN 10056
5	KB-30X30X0300	6.000	5023103517	0.18	0.18	0.62	0.010	0.015	0.007	0.03	0.002	0.001	0.29	G	333.0	482.0	31.0						S235JR	EN 10056
6	KB-30X30X0300	6.000	411012311	0.12	0.20	0.65	0.019	0.006	0.004	0.01	0.001	0.006	0.23	G	315.0	455.0	32.0						S235JR	EN 10056
7	KB-30X30X0300	6.000	401012311	0.12	0.20	0.65	0.019	0.006	0.004	0.01	0.001	0.006	0.23	G	315.0	455.0	32.0						S235JR	EN 10056
8	KB-35X35X0400	6.000	5023100507	0.19	0.16	0.65	0.008	0.003	0.008	0.01	0.001	0.001	0.30	G	330.0	483.0	31.0						S235JR	EN 10056
9	KB-40X40X0400	6.000	5023100461	0.18	0.18	0.63	0.005	0.003	0.007	0.01	0.003	0.001	0.29	G	327.0	478.0	31.0						S235JR	EN 10056
10	KB-40X40X0500	6.000	802208800	0.12	0.15	0.73	0.025	0.010	0.007	0.50	0.004	0.004	0.31	G	317.0	462.0	32.0						S235JR	EN 10056
11	KB-40X40X0500	6.000	502203076	0.12	0.18	0.57	0.018	0.024	0.008	0.19	0.002	0.002	0.25	G	322.0	466.0	32.0						S235JR	EN 10056
12	KB-50X50X0500	12.000	822301517	0.16	0.16	1.12	0.020	0.011	0.008	0.33	0.035	0.045	0.40	G	405.0	545.0	27.0	103	108	104	96	-20	S355J2	EN 10056
13	KB-60X60X0600	6.000	802301177	0.12	0.15	0.99	0.013	0.017	0.006	0.36	0.009	0.005	0.33	G	316.0	473.0	31.0						S235JR	EN 10056
14	KB-60X60X0600	6.000	5011604	0.17	0.20	0.60	0.013	0.024	0.009	0.03	0.002	0.001	0.28	G	321.0	466.0	32.0						S235JR	EN 10056
15	KB-60X60X0600	6.000	5011590	0.18	0.21	0.59	0.011	0.021	0.008	0.03	0.005	0.002	0.28	G	326.0	478.0	32.0						S235JR	EN 10056
16	KB-60X60X0600	6.000	50112230	0.18	0.22	0.60	0.009	0.005	0.006	0.02	0.002	0.001	0.28	G	327.0	477.0	32.0						S235JR	EN 10056
17	KB-70X70X0700	12.000	822300424	0.15	0.18	1.12	0.019	0.030	0.007	0.36	0.041	0.047	0.39	G	404.0	552.0	27.0	71	62	82	70	-20	S355J2	EN 10056
18	KB-75X75X0800	6.000	402209087	0.18	0.17	0.57	0.020	0.025	0.009	0.46	0.002	0.002	0.34	G	327.0	484.0	31.0						S235JR	EN 10056
19	KB-80X80X0800	12.000	822300731	0.15	0.17	1.10	0.017	0.012	0.006	0.33	0.029	0.041	0.38	G	399.0	533.0	26.0	63	64	56	68	-20	S355J2	EN 10056
20	KB-80X80X1000	12.000	802209721	0.12	0.19	0.71	0.019	0.015	0.005	0.43	0.005	0.004	0.29	G	314.0	459.0	32.0						S235JR	EN 10056
21	KB-80X80X1000	12.000	402207773	0.18	0.17	0.63	0.013	0.013	0.003	0.01	0.001	0.002	0.28	G	327.0	472.0	31.0						S235JR	EN 10056
22	UPN-120X55	6.000	5123100499	0.19	0.19	0.67	0.011	0.003	0.008	0.01	0.002	0.001	0.30	G	322.0	479.0	31.0						S235JR	EN 10279
23	UPN-65X42	6.000	5011379	0.19	0.19	0.58	0.008	0.022	0.007	0.03	0.001	0.002	0.29	G	324.0	474.0	32.0						S235JR	EN 10279
24	UPN-65X42	6.000	5011378	0.19	0.19	0.60	0.010	0.016	0.006	0.03	0.002	0.002	0.29	G	323.0	472.0	32.0						S235JR	EN 10279

**PT: Physical Tests**  
**G: Good**  
**YS: Yield Strenght(N/mm<sup>2</sup>-MPa) (According to ISO 6892-1)**  
**TS: Tensile Strenght(N/mm<sup>2</sup>-MPa) (According to ISO 6892-1)**  
**E: Elongation**  
**IE: Impact Energy (According to EN ISO-148-1)**  
**TT: Test Temp. for Impact**  
**J: Joule**

**ONAY / APPROVED BY**  
 Kalite Kontrol efi / Quality Control Chief  
 Serkan TOSYALI  
 serkan.tosyali@tosyali.com.tr



**MILL TEST CERTIFICATE**CERTIFICATE NO :1000291563  
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CUSTOMER ORDER NO :10701991

2195

Tosyali Demir Çelik Sanayi A.Ş. Organize Sanayi Bölgesi  
Sariseki / Iskenderun / Hatay - TURKEY  
06  
2195-CPR-1730301EN 10025-1  
Hot Rolled Products of Structural Steels  
Tolerance on Shape: EN 10056/EN 10279/EN 10024/EN 10034  
Dimension: EN 10056-1/ EN 10365  
Durability: No performance determined  
Regulated Material: No performance determined

NAME &amp; ADDRESS OF THE CUSTOMER

**FEON OY**  
Teollisuuskatu 33, FI-00510 P.O. Bo FI-00511  
Helsinki, Finland

DESCRIPTION OF GOODS:

PRIME HOT ROLLED MERCHANT BARS (P.O. 45831)

Management System  
ISO 9001:2015  
www.tuv.com  
ID 9105026502

ITEM	SIZE (mm)	LENGTH (mm)	HEAT NO	C %	SI %	MN %	P %	S %	N %	CU %	AL %	V %	CEV %	PT FT	YIELD YS N/mm <sup>2</sup>	TENSILE TS N/mm <sup>2</sup>	ELONGATI ON E(%)	JOULE DARBE IE	IE1 J	IE2 J	IE3 J	TT °C	STEEL GRADE	PRODUCT NORM
25	UPN-80X45	12.000	514011150	0.11	0.19	0.71	0.025	0.006	0.007	0.01	0.002	0.006	0.23	G	324.0	472.0	32.0						S235JR	EN 10279
26	UPN-80X45	6.000	514011123	0.12	0.22	0.71	0.026	0.008	0.007	0.01	0.001	0.004	0.24	G	320.0	465.0	31.0						S235JR	EN 10279
27	UPN-80X45	6.000	504011124	0.11	0.21	0.70	0.032	0.007	0.007	0.01	0.001	0.005	0.23	G	313.0	454.0	32.0						S235JR	EN 10279

PT: Physical Tests

G: Good

YS: Yield Strength(N/mm<sup>2</sup>-MPa) (According to ISO 6892-1)TS: Tensile Strength(N/mm<sup>2</sup>-MPa) (According to ISO 6892-1)

E: Elongation

IE: Impact Energy (According to EN ISO-148-1)

TT: Test Temp. for Impact

J: Joule

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Kalite Kontrol efi / Quality Control Chief

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