

Mill Test Certificate №603 EN 10204 / 3.1

Seller (Exporter)		Rustavi Steel LLC									
Consignee Address Country		"Akel Boru San.ve Tic..A.S." Ankara Turkey									
Contract № :		20240527RSST									
Description of goods:		Hot rolled seamless steel line pipes				Standard		API Spec5L (PSL 1) 46 Ed ASTM A53/A53M-24/ASME SA53/SA53M-20 ASTM A106/A106M-19A / ASME SA106/SA106M-19 EN 10216-2:2013+A1:2019			
Container №	a/m OT 727 IA / OT 727 O	Quantity of packages			11		Total actual weight,		53088.973 (24.081)		

Package №	Heat №	Steel grade	Diameter		Wall thickness		Total length		Total actual weight		Quantity of pipes in package
			inch	mm	inch	mm	ft	m	lbs	t	
9241	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	238.168	72.59	5590.866	2.536	6
9242	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	239.349	72.95	5542.364	2.514	6
9243	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	241.613	73.64	5628.344	2.553	6
9244	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	234.591	71.50	5577.638	2.530	6
9245	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	236.002	71.93	5560.001	2.522	6
9246	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	244.598	74.55	5632.753	2.555	6
9247	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	237.971	72.53	5582.047	2.532	6
9248	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	158.275	48.24	3721.365	1.688	4
9249	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	114.310	34.84	2751.341	1.248	3
9249a	310668	L245 / Gr B / P265GH-TC1	8.625	219.08	0.250	7.00	40.619	12.38	914.909	0.415	1
9128	310676	L245 / Gr B / P265GH-TC1	8.625	219.08	0.322	8.18	229.473	69.94	6587.345	2.988	6
TOTAL:							2214.969	675.09	53088.973	24.081	56

Chemical composition, (%)																			
	Heat №	C x100	Mn x100	Si x100	S x1000	P x1000	Cr x100	Ni x100	Cu x100	Ti x1000	Al x1000	V x1000	Nb x1000	N x1000	As x1000	Mo x1000	B x1000	W x1000	CEV
Heat	310668	19	95	28	10	17	9	11	18	2	36	11	3	11	11	28	1	-	0.40
Product	310668	19	95	28	10	16	9	12	18	2	24	1	2	12	11	18	1	-	0.34
		19	95	28	9	15	9	12	19	1	24	1	2	12	10	17	1	-	0.40
Heat	310676	18	71	32	10	15	9	12	24	2	27	8	2	9	10	26	1	-	0.35
Product	310676	18	71	33	10	15	9	12	24	2	24	1	2	9	10	22	1	-	0.35
		18	71	32	9	14	9	12	24	1	25	1	2	10	10	22	1	-	0.35

Heat № (sizes)	Tensile strength		Yield strength				Elongation, (%)	Impact energy KV min, J				Flattening test	Hydrostatic test, Holding time min 5 sec			Heat-treatment type
			R _{0.5} (API)		ReH (EN)			-10°C					Psi	MPa	Holding time	
	psi	MPa	psi	MPa	1	2		3	Aver							
	310668 (8.625x0.250 / 219.08x6.35)	82672	570	55985	386	55259		381	30	71	105		107	94	ok	
310676 (8.625x0.322 / 219.08x8.18)	77160	532	49313	340	48733	336	32	79	79	75	78	ok	1592	10.98	10 sec	

Steelmaker – (name and country) - Rustavi Steel LLC Georgia

Tensile test

Type of specimen – flat longitudinal strip 38 mm wide

Marking: Marking in accordance with the standard API 5L and the customer's requirements.

Surface condition and dimensions of pipes - satisfactory.

Pipes made bevel cutting

During manufacturing there is no mercury contamination and no weld repair was performed.

The delivered product corresponds to the requirements of Contract № 20240527RSST

Material Hardness corresponds to the requirements of NACE MR0175 / MR0103 (maximum 22 HRC)

The manufacturer has a specified reviewed quality system for materials according to the point 4.3 Annex I of the Directive 2014/68/EU (TUV NORD Cert. № 045/202/9190/WZ/1705/22) and AD 2000 – Merkblatt W0 (TUV NORD Cert. № 7/203/9190/WP/1705/22). The mentioned products belong to the certificate scope of approval.

Pipes completed in July 2024

TCD Certifier



L.Sulaberidze

Date 26.07.2024