

U.S.Steel Košice, s.r.o. A01 Vstupný areál U.S.Steel 044 54 Košice SLOVAK REPUBLIC	Purchaser Art. No: 7B7SWDY7/03 A09 Works Order No: XC740934 A08 Advice No: 17/330059 01 A10 Your order: 04/2017 A07	Elme Metall OU A06 Kopli 103 11712 TALLINN Estonia
METALLURGICAL CERTIFICATE NO: 17/330059 01 A03		B09
Desc. of goods: HOT ROLLED STEEL SHEETS B01		Size: 12,000 x 1500,0 x 3000,0 mm EN 10029/10 tr.A
Standard: EN 10149-2/13 B02	B03	Pcs: 32 B08 Net Weight: 13 655 kg B13
Quality: S355MC B02	Delivery Note: 30428901 A10	

Unit No	Coil No	Heat	B07	Unit No	Coil No	Heat	B07
544300601	5443006	54430		544300706	5443007	54430	
544300608	5443006	54430		544300707	5443007	54430	
544300609	5443006	54430		544300708	5443007	54430	
544300705	5443007	54430					

M E C H A N I C A L T E S T R E S U L T S

	Min. / Max.	Coil No	Coil No
		5443006	5443007
C53 Bend test-ALFA(T) (ST)	180/	180	180
C12 Rm C03 +20°C(L) (MPA)	430/550	526	524
C11 ReH C03 +20°C(L) (MPA)	355/	471	455
C13 A5 C03 +20°C(L) (%)	23,0/	26,0	27,0

C02 Direction: (T)-transversal; (L)-longitudinal;

C70 Proces of steel production: LD-PROCES; Continuous casting; Controlled rolling mode.
D01 Inspection of surface appearance, shape and dimensions was conducted.
The results meet the requirements.

C71 C H E M I C A L C O M P O S I T I O N , %

Min. / Max.	Heat No	Min. / Max.	Heat No
	54430		54430
C	/0,12 0,08	Mn	/1,50 0,78
Si	/0,03 0,02	P	/0,025 0,009
Al	0,015/ 0,039	S	/0,020 0,005
Nb	/0,090 0,038	Ti	/0,150 0,017
V	/0,200 0,003	F05	/0,220 0,058

F05=Nb+V+Ti

THE MATERIAL IS IN COMPLIANCE WITH ORDER REQUIREMENTS. Z01

The measured weight-based activity of Co60 + Cs137 + Am241 radionuclide is not higher than 100 Bq/kg. D02

298 Last Page: 1
F-USM/0063-04/10-01-12

Z04	Z05	Z02	Z03
www.usske.sk		Certification signature by Jozef Červeňák <jcervenak@sk.uss.com>, Validity Unknown Digitally signed by Jozef Červeňák Date: 2017.04.11 10:14:43 CEST Reason: Zabezpečuje vierohodnosť pôvodu,	U. S. Steel Košice, s.r.o. 02 Vstupný areál U. S. STEEL Odbor Analýzy kvality a špecifikácie Uvoľňovanie výrobkov a Hutné areasy 044 54 Košice

Košice: 11.04.2017, 7:31:00

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Z02