

Inspection certificate EN 10 204 - 3.1		A02	issuing department Quality inspection	A05	Purchaser order no 1806	A07	Our order no 146356-3	A08	Invoice no 2923298	A19	Certificate no and date 16905580 2017-11-02	A03
SSAB EMEA AB, SE-781 84 BORLÄNGE, Sweden												A01

Purchaser A11 19586 SWEDISH STEEL AB MEXICO BATALLON SAN PATRICIO 109 LOC 403 MX-66269 GARZA GARCIA MEXICO	Product Hot rolled sheets		B01	Marking Manufacturer, MATERIAL ID				B06	Customer marks				B15
	Quantity 50	Dimensions [mm] T 6,4 W 1248 L 3048		B09-B11		Weight [kg] 9660		B12	Deliv. Cond.	B04	Internal code		B16
	Consignee SWEDISH STEEL AB MEXICO BATALLON SAN PATRICIO 109 LOC 403 MX-66269 GARZA GARCIA MEXICO						A06	Standard/rules SSAB Steel grade HARDOX 450				B02	


MATERIAL ID 61-5832-214136-05 , 61-5832-214136-06 , 61-5832-214136-07 , 61-5832-214136-08 , 61-5832-214136-09	B07
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Chemical composition																C71-C92	Carbon equivalent etc	C93-C99
Heat no 61-5832	C .188	Si .18	Mn 1.27	P .011	S .001	Cr .25	Ni .05	Mo .04	V .01	Ti .01	Cu .01	Al .042	Nb .001	B .0014	N .003	Ceqv .46	Ceqv = C + Mn/5 + (Ni + Cu)/15 + (Cr + Mo + V)/5	

Testtype	C04	Millicode	C00	Specimen position	C01	Direction	C02	Treatment	B05	Specimen type	C10	Temp [degr C]	C03	Test results
Hardness test		DOA256		Longitudinal		Delivery condition								C32 HB Ave 441

Production time: 2017-10-27

Customer article no: ITM61152

This certificate is produced with EDP and valid without signature Material Testing/H Leu / M Eriksson / V Esbelani	Z02	It is hereby certified that the material described above complies with the requirements of the order.	Z01	A22	 www.hardox.com
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