

<b>Inspection certificate</b> EN 10 204 - 3.1		A02	<b>Issuing department</b> Quality inspection	A05	<b>Purchaser order no</b> P058498	A07	<b>Our order no</b> 157194-1	A08	<b>Invoice no</b> 2949618	A19	<b>Certificate no and date</b> 17098976 2018-02-09	<b>SSAB EMEA AB, SE-781 84 BORLÄNGE, Sweden</b>		A01
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<b>Purchaser</b> BE GROUP OY AB PL 54 FI-15101 LAHTI FINLAND		A11 81205		<b>Product</b> Hot rolled pickled sheets		B01	<b>Marking</b> Manufacturer, MATERIAL ID		B06	<b>Customer marks</b>		B15
<b>Quantity</b> 57		<b>B08</b>	<b>Dimensions [mm]</b> T 12 W 1500 L 3000	B09-B11	<b>Weight [kg]</b> 24270	B12	<b>Deliv. Cond.</b>	B04	<b>Internal code</b>			B16
<b>Consignee</b> BE GROUP OY AB PL 54 FI-15101 LAHTI FINLAND		A06		<b>Standard/rules</b> SSAB Steel grade SSAB Domex 420MC D								B02

**MATERIAL ID**  
50-2938-243901-01 , 50-2938-243901-02 , 50-2938-243901-03 , 50-2938-243901-04 , 50-2938-243901-05 , 50-2938-243901-06 , 50-2938-243901-07 , 50-2938-243901-08 , 50-2938-243901-09

<b>Chemical composition</b>																	
<b>Heat no</b> 50-2938	<b>C</b>	<b>Si</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Cr</b>	<b>Ni</b>	<b>Mo</b>	<b>V</b>	<b>Ti</b>	<b>Cu</b>	<b>Al</b>	<b>Nb</b>	<b>B</b>	<b>N</b>	<b>Cekv</b>	C93-C99
	.065	.01	1.35	.012	.003	.02	.04	.00	.01	.00	.01	.042	.041	.0001	.004	.30	C71-C92 Carbon equivalent etc Cekv = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5

Testtype	Millicode	Specimen position	C01	Specimen position	Direction	C02	Treatment	B05	Specimen type	C10	Temp [degr C]	Test results		
												C03	C11	C12
Tensile test	DUH104	Top end	Longitudinal	Longitudinal	Delivery condition	Delivery condition	Rectangular 380x40	Rectangular 380x40	C11 *ReH [MPa] 461	C12 Rm [MPa] 560	C13 A5 [%] 25.5			
Bend test	DUH108	Top end	Transvers	Transvers	Delivery condition	Delivery condition	Rectangular 300x25	Rectangular 300x25	The test is satisfactory					
Impact test	DUH110	Top end	Longitudinal	Longitudinal	Delivery condition	Delivery condition	Charpy-V 10x10	Charpy-V 10x10	C42 E [J] 288	C43 E [J] 309	C44 Ave [J] 293			

No yield point extension Ae detected. Measured value for \*ReH/ReL replaced by \*Rp02

Production time: 2018-02-09

This certificate is produced with EDP and valid without signature		Z02	It is hereby certified that the material described above complies with the requirements of the order.		Z01	A04
Material Testing/ H Leu / M Eriksson / V Esbelani						