

C E R T I F I C A T E

Päiväys: 21.2.2017

Meidän tilausnumero: 0398537

Asiakkaan tilausnumero:

TAMMINIITTY OY
ATT: AINE
RAKENTAJANTIE 1
FI-27510 EURA

Rivi	Tuote	Kuvaus	Viite	Sulatusnumero
1	2101750743	S355MC PEÖL 10X1600X6010 MM		59 3415 118695
2	2101750325	S355MC PEÖL 5X1600X6010 MM		59 3657 121422

Pyydetyt todistukset yllä oleville tilauksille lähetetään teille.

BE Group Oy Ab
PL 54 Helsingintie 50
FI-15101 LAHTI

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certificates@begroup.fi

				SSAB EMEA AB, SE-781 84 BORLÄNGE, Sweden A01							
Inspection certificate EN 10 204 - 3.1	A02	Issuing department Quality inspection	A05	Purchaser order no P047667	A07	Our order no 107724-2	A08	Invoice no 2836176	A19	Certificate no and date 16381611 2017-01-16	A03

Purchaser A11 81205 BE GROUP OY AB HELSINGINTIE 50 POSTBOX 54 FI-15101 LAHTIS FINLAND	Product B01 Hot rolled pickled sheets		Marking B06 Manufacturer, MATERIAL ID				Customer marks B15	
	Quantity B08 34	Dimensions [mm] B09-B11 T 10 W 1600 L 6010		Weight [kg] B12 25800		Deliv. Cond. B04	Internal code B16	
	Consignee A06 BE GROUP OY AB HELSINGINTIE 50 POSTBOX 54 FI-15101 LAHTIS FINLAND				Standard/rules B02 SSAB Steel grade SSAB Domex 355MC D*)			

MATERIAL ID	B07
59-3415-118695-01 , 59-3415-118695-02 , 59-3415-118695-03 , 59-3415-118695-04 , 59-3415-118695-05 , 59-3415-118695-06 , 59-3415-118695-07 , 59-3415-118695-08 , 59-3415-118695-09	

Chemical composition										C71-C92				Carbon equivalent etc C93-C99				
Heat no	C	Si	Mn	P	S	Cr	Ni	Mo	V	Ti	Cu	Al	Nb	B	N	Cekv	Cekv = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5	
59-3415	.069	.01	.60	.010	.003	.03	.04	.00	.01	.00	.01	.048	.038	.0001	.003	.18		

Testtype	Millcode	Specimen position	Direction	Treatment	Specimen type	Temp [degr C]	Test results				
Tensile test	CXN469	Top end	Longitudinal	Delivery condition	Rectangular 380x40		C11 *Reh [MPa] 408	C12 Rm [MPa] 517	C13 A5 [%] 32.5		
Impact test	CXN470	Top end	Longitudinal	Delivery condition	Charpy-V 10x7.5	-20	C42 E [J] 211	C42 E [J] 216	C42 E [J] 212	C43 Ave [J] 213	
Bend test	CXN471	Top end	Transvers	Delivery condition	Rectangular 300x25		C50 The test is satisfactory				

*) S355MC EN 10149-2
 *Rp02 No yield point extension Ae
 Production time: 2017-01-06

Customer article no: 2101750743

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	A04
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				SSAB EMEA AB, SE-781 84 BORLÄNGE, Sweden A01							
Inspection certificate EN 10 204 - 3.1	A02	Issuing department Quality inspection	A05	Purchaser order no P047667	A07	Our order no 107724-1	A08	Invoice no 2833613	A19	Certificate no and date 16365140 2017-01-05	A03

Purchaser A11 81205 BE GROUP OY AB HELSINGINTIE 50 POSTBOX 54 FI-15101 LAHTIS FINLAND	Product B01 Hot rolled pickled sheets		Marking B06 Manufacturer, MATERIAL ID			Customer marks B15		
	Quantity B08 69	Dimensions [mm] B09-B11 T 5 W 1600 L 6010	Weight [kg] B12 25860		Deliv. Cond. B04	Internal code B16		
	Consignee A06 BE GROUP OY AB HELSINGINTIE 50 POSTBOX 54 FI-15101 LAHTIS FINLAND				Standard/rules B02 SSAB Steel grade SSAB Domex 355MC D*)			

MATERIAL ID B07 59-3657-121422-01 , 59-3657-121422-02 , 59-3657-121422-03 , 59-3657-121422-04 , 59-3657-121422-05 , 59-3657-121422-06 , 59-3657-121422-07 , 59-3657-121422-08 , 59-3657-121422-09

Chemical composition										C71-C92				Carbon equivalent etc		C93-C99		
Heat no 59-3657	C .058	Si .01	Mn .60	P .007	S .002	Cr .02	Ni .04	Mo .01	V .00	Ti .00	Cu .01	Al .049	Nb .023	B .0001	N .003	Cekv .17	Cekv = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5	

Testtype	Millcode	Specimen position	Direction	Treatment	Specimen type	Temp [degr C]	Test results		
Tensile test	CWY976	Top end	Longitudinal	Delivery condition	Rectangular 380x40		C11 Reh [MPa] 388	C12 Rm [MPa] 475	C13 A5 [%] 42.0
Bend test	CWY977	Top end	Transvers	Delivery condition	Rectangular 300x25		C50 The test is satisfactory		

*) S355MC EN 10149-2
Production time: 2016-12-26

Customer article no: 2101750325

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	A04
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