

Продавец (Экспортер)
Seller (Exporter)
 Open Joint-Stock Company
 "Byelorussian Steel Works –
 management company of
 "Byelorussian Metallurgical Company"
 holding"
 Promyshlennaya street 37, Zhlobin
 247210, Republic of Belarus
 www.belsteel.com



Cert. No. 9305
 A/0005



Cert No. 10016-02
 SFS 1300



119172-1/2

Грузополучатель, адрес, страна
Consignee, address, country

Ехмет ОУ
Vana-Narva mnt 31
74114 Maardu
Estonia
Estonia

INSPECTION CERTIFICATE EN 10204:2005-01 3.1
№ Э 477801

*Quality management system has been certified according to ISO 9001:2015 by TÜV Thüringen e.V. (Certificate Number TIC 15 100 159230)
 Environmental management system has been certified according to ISO 14001:2015 by TÜV Thüringen e.V. (Certificate Number TIC 15 104 151299)
 Occupational health and safety management system has been certified according to ISO 45001:2018 by TÜV Thüringen e.V. (Certificate Number TIC 15 118 20190)
 Energy management system has been certified according to ISO 50001:2018 by TÜV Thüringen e.V. (Certificate Number TIC 15 275 18194)*

Контракт Contract
№ 17021697-687
LOT-1

Вагон Car
№ 62117205

Лист Sheet
I
Листов Sheets
I

Кол-во грузовых мест Quantity of cargo packages
22

От: Date
04.05.2017 г.
Decl. №. 17/9500-LST-2014

Carbon steel bars for reinforcement of concrete structures.

Наименование и код товара Description and code of goods

№ п/п	Номера плавков Nos of heats	Марка Grade	Размеры Dimensions		ТНПА Standard	Вид грузовых мест, код Type of packages, code	Количество мест Quantity of packages	Масса Mass		
			Толщина, диаметр, mm Thickness, diameter, mm	Длина length, mm				брутто gross, t	нетто net, t	
1	105535	B500B/ B500NC/ K500C-T	25	12000	DIN 488 / NEN6008+BR1.050/ NS3576:3/ /SS212540:2014/SFS1300/ SFSC – 9305 LST EN 10980-2006	bundles	15	45.915	45.840	
2	214804	B500B/ B500NC/ K500C-T	25	12000	/SS212540:2014/SFS1300/ SFSC – 9305 LST EN 10980-2006	bundles	7	20.415	20.380	
Total:							22	66.330	66.220	

Химический состав Chemical composition, %

№ п/п	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	N	Ceq
1	18	37	125	19	14	16	12	25	1	3	10	45
2	18	35	128	18	22	10	12	24	1	3	9	44

Механические свойства Mechanical properties

Удлинение Elongation, %	Предел текучести Yield strength R _{el} , N/mm ²	Предел прочности Tensile strength R _m , N/mm ²	R _m /R _{el}	Удлинение при разрыве A _{gt}	Относительная площадь ребра Relative rib area F _R	Соотношение Re, Rd/Re, nom (Re, Rd – фактическое значение предела текучести (Re, Rd – nominal value of yield point))	Испытание на изгиб/ Bend/ Rebound	Эффективный диаметр e _{ff} , mm	Площадь поперечного сечения Cross-sectional area, mm ²	Вес 1 метра Weight of one meter, kg/m	
											0,094
10,0	576	733	1,27	10,0	0,094	1,152	Satisfactory	25,06	493	3,870	
10,7	573	685	1,20	10,7	0,106	1,146	Satisfactory	24,75	480,7	3,773	

Прочие свойства Other properties

Состояние поверхности (Re, Rd – фактическое значение предела текучести (Re, Rd – nominal value of yield point))	Испытание на изгиб/ Bend/ Rebound	Эффективный диаметр e _{ff} , mm	Площадь поперечного сечения Cross-sectional area, mm ²	Вес 1 метра Weight of one meter, kg/m
Satisfactory	Satisfactory	25,06	493	3,870
Satisfactory	Satisfactory	24,75	480,7	3,773

Note: Electrical steel, argon bubbling, fixed length. It is hereby certified that products covered by this certificate has been tested and is complied with the requirements of the contract

The steel does not have radiation more than the natural value and its level is less than 100 Bq/kg

Add. marking: LOT-1


Rolling markings: 9-1 per each 0,5-1,5 meter

It is hereby certified that products covered by this certificate has been tested and is complied with the requirements of the standards and contract. Reinforcing steel in bars. Steel is unalloyed and there are no artificially introduced alloying additions



Open Joint Stock Company – Byelorussian Steel
 Подпись/Подпись В.В.В. of «Byelorussian Metallurgical Company» holding
QUALITY CONTROL
 FOR CERTIFICATE

Подпись/Подпись В.В.В. of «Byelorussian Metallurgical Company» holding
 Signatures:
 Дата Date 26/09/21 06:21



Продавец (Экспортер)
Seller (Export)
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247210, Republic of Belarus
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КМ
K20841
BHZ

SBS
961224
A11005

STF
Cert No. 10016-02
SFS 1300

Грузополучатель, адрес, страна
Consignee, address, country
Echmet OU
Vana-Narva mnt 31
74114 Maardu
Estonia
Estonia

INSPECTION CERTIFICATE EN 10204:2005-01 3.1
№ Э 477800

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Energy management system has been certified according to ISO 30001:2018 by TUV Thuringen e.V. (Certificate Number TIC 15 275 18194)*

Вагон
Car
№
64311608

Контракт
Contract
№ 17021697-687
LOT-1

Лист Sheet
1
Листов Sheets
1

Кол-во грузовых мест
Quantity of cargo
packages
23

Наименование и код товара Description and code of goods		Размеры Dimensions		ТНПА Standard	Вид грузовых мест, код Type of packages, code	Количество мест Quantity of packages	Масса Mass		
		Толщина, диаметр Thickness, diameter, mm	длина length, mm				брутто gross, t	нетто net, t	
1	214804	25	12000	DIN 488 / NEN6008+BRL0501/ NS3576:3 / SS212540:2014/SFS1300/ SPSC - 9305 LST EN 10080-2006	bundles	23	68.740	68.625	
Total:						23	68.740	68.625	

№ n/n		Химический состав Chemical composition, %										Механические свойства Mechanical properties				Прочие свойства Other properties						
		C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	N	C _{eq}	Предел текучести Yield strength R _{eH} , N/mm ²	Предел прочности Tensile strength R _m , N/mm ²	Удлинение Elongation, %	Относительная площадь ребра Relative rib area F _R	Соотношение Re, ist/Re, nenn (Re, ist = фактическое значение предела текучести, Re, nenn = номинальное значение предела текучести)	Correlation Re, ist/Re, nenn (Re, ist = actual yield point value, Re, nenn = nominal value of yield point)	Испытание/ Перегиб/ Rebend Bend/Rebend	Холодный изгиб Cold bending 180 grades	Эффективный диаметр Diameter eff., mm
1	18	35	128	18	22	10	12	24	1	3	9	44	685	573	10.7	0.106	1.146	24.75	480.7	3.773		

*Note: Electrical steel, argon bubbling, fixed length.
It is hereby certified that products covered by this certificate has been tested and is complied with the requirements of the contract
The steel does not have radiation more than the natural value and its level is less than 100 Bq/kg
Add. marking: LOT-1
Rolling markings: 9+1 per each 0.5-1.5 meter
It is hereby certified that products covered by this certificate has been tested and is complied with the requirements of the standards and contract. Reinforcing steel is bars. Steel is unalloyed and there are no artificially introduced alloying additions*



Open Joint Stock Company «Byelorussian Steel»
Works-management company of «Byelorussian holding»
Подписи Потребителя В.Р. Signatures: **QUALITY CONTROL**
Дата 26/09/21 06:18