

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

КР1941
 BRZ
 961224
 SBS
 AT1005
 119172-1/2

Cert No. 10016-02
 SFS 1300

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

INSPECTION CERTIFICATE EN 10204:2005-01 3.1
№ Э 471380

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
№ 17021697-669
LOT-2

Вагон Car
№ 64417108

Лист Sheet
1
Листов Sheets
1

Кол-во грузовых мест Quantity of cargo packages
24

От: Date
04.05.2017 г.
Decl. №-1/У500-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 Thickness, diameter, mm	длина length, mm				брутто gross, t	нетто net, t	
1	397919	B500B/B500NC/ K500C-T	16	12000	DIN 488 / NEN6008+BRL0501/NS3576:3/ /SS212540:2014/SFS1300/ SPSC - 9305 LST EN 10080-2006	bundles	5	14.355	14.330	
2	104061	B500B/B500NC/ K500C-T	16	12000	DIN 488 / NEN6008+BRL0501/NS3576:3/ /SS212540:2014/SFS1300/ SPSC - 9305 LST EN 10080-2006	bundles	2	5.815	5.805	
3	104067	B500B/B500NC/ K500C-T	16	12000	DIN 488 / NEN6008+BRL0501/NS3576:3/ /SS212540:2014/SFS1300/ SPSC - 9305 LST EN 10080-2006	bundles	3	8.455	8.440	
4	213446	B500B/B500NC/ K500C-T	16	12000	DIN 488 / NEN6008+BRL0501/NS3576:3/ /SS212540:2014/SFS1300/ SPSC - 9305 LST EN 10080-2006	bundles	14	39.825	39.755	
Total:							24	68.450	68.330	

Химический состав Chemical composition, %

№ п/п	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	N	C _{eq}
1	20	34	124	17	22	13	12	22	1	4	10	45
2	18	34	122	27	16	20	13	23	1	3	11	45
3	18	34	127	19	24	14	15	21	1	3	8	45
4	18	34	124	13	15	11	13	19	1	3	9	43

Механические свойства Mechanical properties

№ п/п	Предел текучести Yield strength R _{el} , N/mm ²	Предел прочности R _m , N/mm ²	R _m /R _{el}	Удлинение Elongation, %		Относительная площадь ребра Relative rib area Γ _R
				A _{gt}	A _g	
1	576	698	1.21	99.0	0.088	0.088
2	580	699	1.21	99.5	0.085	0.085
3	563	702	1.25	99.6	0.083	0.083
4	563	702	1.25	10.5	0.086	0.086

Прочие свойства Other properties

№ п/п	Соотношение Re, σf/Re, nonn (Re, σf = фактический предел текучести предела текучести значение Correlation Re, σf/Re, nonn (Re, σf = actual value of yield point)	Изгиб/Перетяг Bend/Rebend	Холодная гибка 180° Cold bending 180° grades	Эффективный диаметр eff., mm	Площадь поперечного сечения Cross-sectional area, mm ²	Вес 1 метра Weight of one meter, kg/m
1	1.152	Satisfactory	Satisfactory	15.93	199.2	01.564
2	1.160	Satisfactory	Satisfactory	15.93	199.1	01.563
3	1.126	Satisfactory	Satisfactory	15.93	199.1	01.563
4	1.126	Satisfactory	Satisfactory	15.93	199.3	01.564

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-2
Rolling marking: 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



Подписи: Вєрочинская А.А.
Signatures:

Belarusian Steel
 Works-management company of Byelorussian Metallurgical Company holding

QUALITY CONTROL
 FOR CERTIFICATE

Дата Date 30/07/21 06:44