SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS
Linkmenų g. 28, LT-08217 Vilnius, Lietuvos Respublika

CERTIFICATE
OF CONSTANCY OF PERFORMANCE

Product	weldable hot rolled reinforcing steel bars
Type	BSt500S and B500B, diameters 10, 12, 14, 16, 20, 25, 28 and 32 mm
Intended use	for the reinforcement of concrete structures
Performances	see annex 1
Manufacturer	ArcelorMittal Warszawa Sp. z o.o., 132, Kasprowicza Street, 01-949 Warsaw, Poland
Manufacturing plant	ArcelorMittal Warszawa Sp. z o.o., 132, Kasprowicza Street, 01-949 Warsaw, Poland
Requirements	LST EN 10080:2006 and declared by the producer performances

This certificate is issued having performed actions prescribed for system 1+ in STR 1.01.04:2015 and confirms that the product complies with requirements set out in this certificate.

Number	SPSC-9064
Date of issue	2018-01-24 (first issued on 2012-01-31)
Valid until	2021-01-23 (information www.spsc.lt)
Granted to	ArcelorMittal Warszawa Sp. z o.o., 132, Kasprowicza Street, 01-949 Warsaw, Poland, company code 010592085

Director Valdemaras Gauronskis

LIETUVOS RESPUBLIKA * VILNIUS * SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS * VALSTYBĖS ĮMONĖ *

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ANNEX 1 TO CERTIFICATE No. SPSC-9064

Issued 2018-01-24

Product weldable hot rolled reinforcing steel bars

Type BSt500S and B500B,
diameters 10, 12, 14, 16, 20, 25, 28 and 32 mm

Essential characteristics and performances

Essential characteristic	Test method	Performance
Percentage total elongation at maximum force A_{gt}, % (characteristic value)	LST EN ISO 15630-1:2011	5,0
Weldability (product analysis): - carbon equivalent C_{eq}, %; - limitations on the content of certain elements, %	LST EN 10080:2006 spectrometric methods	≤ 0,52 pass
Tolerances	LST EN ISO 15630-1:2011	pass
Bendability	LST EN ISO 15630-1:2011	pass
Bonding strength (surface geometry)	LST EN ISO 15630-1:2011	pass
Ratio tensile strength/yield strength R_m / R_e (characteristic value)	LST EN ISO 15630-1:2011	1,08
Tensile yield strength R_e, MPa (characteristic value)	LST EN ISO 15630-1:2011	500
Fatigue, number of stress cycles	LST EN ISO 15630-1:2011	NPD
Durability (product analysis), %: - carbon C; - sulphur S; - phosphorus P; - nitrogen N; - cooper Cu; - carbon equivalent C_{eq}	 spectrometric method spectrometric method spectrometric method spectrometric method spectrometric method LST EN 10080:2006	 ≤ 0,24 ≤ 0,055 ≤ 0,055 ≤ 0,014 ≤ 0,65 ≤ 0,52

LIETUVOS RESPUBLIKA VILNIUS SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS VALSTYBĖS ĮMONĖ

Director Valdemaras Gauronskis