



# CERTIFICATE OF CONSTANCY OF PERFORMANCE

<b>Product</b>	weldable hot rolled reinforcing steel bars
<b>Type</b>	B500SP, diameters 8, 10, 12, 16, 20, 25 and 32 mm
<b>Intended use(s)</b>	for the reinforcement of concrete structures
<b>Product parameters</b>	see annex 1
<b>Manufacturer</b>	CELSA "Huta Ostrowiec" Sp. z o. o., ul. Samsonowicza 2, 27-400 Ostrowiec Sw., Poland
<b>Manufacturing plant(s)</b>	CELSA "Huta Ostrowiec" Sp. z o. o., ul. Samsonowicza 2, 27-400 Ostrowiec Sw., Poland
<b>Requirements</b>	LST EN 10080:2006 and declared performances (see annex 1)

**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.**

<b>Number</b>	SPSC-8139B
<b>Date of issue</b>	2016-06-17 (first issued on 2007-06-27)
<b>Valid until</b>	2019-06-17 (information <a href="http://www.spsc.lt">www.spsc.lt</a> )
<b>Granted to</b>	CELSA "Huta Ostrowiec" Sp. z o. o., ul. Samsonowicza 2, 27-400 Ostrowiec Sw., Poland, company code 0163654209



Director

Robertas Encius

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VĮ Statybos produkcijos sertifikavimo centras accredited by the Lithuanian National Accreditation Bureau for products certification according to LST EN ISO/IEC 17065 (accreditation certificate No LA.03.004) and is the body for certification of building products designated by Minister of Environment



**ANNEX 1 TO CERTIFICATE NO. SPSC-8139B**

Issued 2016-06-17

**Product** weldable hot rolled reinforcing steel bars  
**Type** B500SP,  
 diameters 8, 10, 12, 16, 20, 25 and 32 mm

**Product parameters:**

Characteristics	Test method	Unit of measurement	Declared value
Elongation, $A_{gt}$ (characteristic value)	LST EN ISO 15630-1:2011	%	8
Weldability (product analysis): - carbon equivalent, $C_{eq}$ , - limitations on the content of certain elements	LST EN 10080:2006  spectrometric methods	%  %	$\leq 0,52$  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
Stress ratio, $R_m / R_e$ (characteristic value)	LST EN ISO 15630-1:2011	—	1,15
Tensile yield strength, $R_e$ (characteristic value)	LST EN ISO 15630-1:2011	MPa	500
Fatigue	LST EN ISO 15630-1:2011	number of stress cycles	NPD
Durability (product analysis): - carbon, C; - sulphur, S; - phosphorus, P; - nitrogen, N; - cooper, Cu; - carbon equivalent, $C_{eq}$	spectrometric method      LST EN 10080:2006	%      	$\leq 0,24$ $\leq 0,055$ $\leq 0,055$ $\leq 0,014$ $\leq 0,85$ $\leq 0,52$

NPD – no performance determined

Director



Robertas Encius