Certificate N°: 186301/5536/170816-1 IND

Ref: BO 500 1362





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WELDING PROCEDURE QUALIFICATION RECORD CERTIFICATE(WPQR) KVALIFIKACIJA TEHNOLOGIJE ZAVARIVANJA

Manufacturer's Welding Procedure Specification Prethodna specifikacija tehnologije zavarivanja

ST WPS 1-311

Inspection body: Kontrolno telo:

SGS Beograd

Reference No/ Broj izveštaja.: 50-2 0555/17

Manufacturer : Proizvođač:	SYNERGY TECH	H D.O.O.
Address: Adresa:	KONDINA 11/9,	11000 Beograd
Code/Testing Standard : Primenjeni standard :		SRPS EN ISO 15614-1:2008+A2:2012
Date of welding : Datum zavarivanja :		01.08.2017.

Range of Approval / Područje kvalifika	cije:
Welding Process/ : Postupak zavarivanja:	311(gasno) acc. to EN ISO 4063
Joint Type : Tip spoja:	BW,-sl,-bs, (testing piece/ispitni uzorak); BW,-sl,-bs, FW (range of qualification/opseg kvalifikacije) Cevni priključak sa uglom ≥60°
Parent Metal Group(s): Grupa osnovnog materijala:	1.1 acc.to SRPS CEN ISO/TR 15608
Parent Material Thickness (mm): Debljina osnovnog materijala (mm):	2,9 (testing piece/ispitni uzorak); 2,0 - 5,8 (range of qualification/opseg kvalifikacije)
Pipe Outside Diameter (mm): Debljina osnovnog materijala (mm):	48,3 (testing piece/ispitni uzorak); ≥ 25 (range of qualification/opseg kvalifikacije)
Filler Material Type/Designation: Dodatni material :	OIII / EN 12536
Filler Metal size (mm):	

Ø2; Prečnik dodatnog materijala (mm): Shielding Gas / Flux/ Fuel gas: O2 / C2H2 (Kiseonik/ Acetilen) Zaštitni gas/prašak/Gorivi gas Type of Welding Current: Struja za zavarivanje: Heat input(kJ/mm):

Unos toplote(kJ/mm): Welding Position: SRPS EN ISO 6947 - PH Položaj zavarivanja: Preheat temperature:

Temperatura predgrevanja: Interpass Temperature: Međuprolazna temperature : Post Weld Heat Treatment: bez/ without Term.obrada posle zavarivanja

Date of Issue:

07.08.2017

Datum izdavania:

Other Information: N/A Ostali podaci:

Certified that test welds prepared, welded and tested satisfactorily in accordance with the requirements of the code / testing standard indicated above. Potvrđuje se da je ispitani spoj pripremljen, zavaren i ispitan saglasno zahtevima gorenavedenih propisa/standarda

This Certificate cancels and supersedes the Certificate No.16796152 dated 07.08.2017. issued by SGS Beograd Ltd SGS Beograd Ltd.

Jurija Gagarina 7b 11070 Belgrade

t: (381 11) 71 55 277 f: (381 11) 71 55 279 e: sgs beograd@sgs.com Name and signature Ime i potpis

Approved by: Odobrio:

Gordan Mandić, SRB/IWI-C/00012

Marinko Ukropina B.Sc.

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SGSPAPER 18226619

