WELDER APPROVAL CERTIFICATE
ACCORDING TO UNI EN ISO 9606-1:2017

No. **24TO03622CE1**

Designation	**UNI EN ISO 9606-1 141 T BW FM5 S s3 D34 H-L045 ss gb**				
Welder	**DI BIDINIO ROBERTO**				
Born in	**SAN DANIELE DEL FRIULI (UD)**			on	**24/02/1984**
Identification	**DBDRRT84B24H816F**	Method of Identification	**C.F.**	Stamp No.	**DBR**
Employer/Manufacturer	**INGEGN PROTOTIPI S.R.L. - San Daniele Del Friuli (UD)**				

WPS used by welder during welding of test coupon: **01/2024** Job knowledge: **not tested**

Welding variables	Test piece	Range of qualification
Welding process(es)	**141**	**141; 142; 143; 145**
Product type	**Pipes**	**Plates and pipes**
Type of weld	**BW**	**Butt weld***
Parent Metal group (ISO/TR 15608)	**8**	**1 to 11**
Filler material group(s)	**FM5**	**FM5**
Filler material type	**Solid rod**	**Solid rod/ metal-cored rod/No filler metal**
Shielding gas (EN ISO 14175)	**I 1**	**All compatible**
Type of current and polarity	**DC EN**	**All compatible**
Deposited thickness (mm)	**3**	**3 to 6**
Pipe outside diameter (mm)	**34**	**25 and over**
Welding position(s)	**H-L045**	**PA, PC, PE, PF**
Weld details / Layer technique	**ss gb**	**ss mb, bs, ss gb**

*Qualify also branch connections with an angle >= 60°

Type of test							
Visual	**Acceptable**	Radiographic	**Not tested**	Magnetic particle	**Not tested**	Penetrant	**Not tested**
Macro	**Not tested**	Fracture	**Not tested**	Bend	**Acceptable**		

Revalidation method 9.3 a)

This certificate is valid from	**2 September 2024**	to	**1 September 2027**
Issued at	**GENOVA**	on	**23 September 2024**

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Filippo Lago
(Italy Industrial & Personnel Certification Services Director)

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PRS N° 066 C

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Signatory of EA, IAF and ILAC Mutual Recognition Agreements

RINA Services S.p.A.
PED No. Bo. 0474
Via Corsica 12 - 16128 Genova

WELDER APPROVAL CERTIFICATE
ACCORDING TO UNI EN ISO 9606-1:2017

No. **24TO03622CE4**

Designation	**UNI EN ISO 9606-1 141 T FW FM5 S t3 D50 PH ml**				
Welder	**DI BIDINIO ROBERTO**				
Born in	**SAN DANIELE DEL FRIULI (UD)**			on	**24/02/1984**
Identification	**DBDRRT84B24H816F**	Method of Identification	**C.F.**	Stamp No.	**DBR**
Employer/Manufacturer	**INGEGN PROTOTIPI S.R.L. - San Daniele Del Friuli (UD)**				

WPS used by welder during welding of test coupon: **04/2024** Job knowledge: **not tested**

Welding variables	Test piece	Range of qualification
Welding process(es)	**141**	**141; 142; 143; 145**
Product type	**Pipes**	**Plates and pipes**
Type of weld	**FW**	**Fillet weld**
Parent Metal group (ISO/TR 15608)	**8**	**1 to 11**
Filler material group(s)	**FM5**	**FM5**
Filler material type	**Solid rod**	**Solid rod/ metal-cored rod/No filler metal**
Shielding gas (EN ISO 14175)	**I 1**	**All compatible**
Type of current and polarity	**DC EN**	**All compatible**
Material thickness (mm)	**3**	**>= 3**
Pipe outside diameter (mm)	**50**	**25 and over**
Welding position(s)	**PH**	**PA, PB, PC, PD, PE, PF**
Weld details / Layer technique	**ml**	**sl, ml**

Type of test							
Visual	**Acceptable**	Radiographic	**Not tested**	Magnetic particle	**Not tested**	Penetrant	**Not tested**
Macro	**Acceptable**	Fracture	**Not tested**	Bend	**Not tested**		

Revalidation method 9.3 a)

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WELDER APPROVAL CERTIFICATE
ACCORDING TO UNI EN ISO 9606-1:2017

No. **24TO03622CE2**

Designation	**UNI EN ISO 9606-1 141 T BW FM5 S s1.5 D50 H-L045 ss gb**				
Welder	**DI BIDINIO ROBERTO**				
Born in	**SAN DANIELE DEL FRIULI (UD)**			on	**24/02/1984**
Identification	**DBDRRT84B24H816F**	Method of Identification	**C.F.**	Stamp No.	**DBR**
Employer/Manufacturer	**INGEGN PROTOTIPI S.R.L. - San Daniele Del Friuli (UD)**				

WPS used by welder during welding of test coupon: **02/2024** Job knowledge: **not tested**

Welding variables	Test piece	Range of qualification
Welding process(es)	**141**	**141; 142; 143; 145**
Product type	**Pipes**	**Plates and pipes**
Type of weld	**BW**	**Butt weld***
Parent Metal group (ISO/TR 15608)	**8**	**1 to 11**
Filler material group(s)	**FM5**	**FM5**
Filler material type	**Solid rod**	**Solid rod/ metal-cored rod/No filler metal**
Shielding gas (EN ISO 14175)	**I 1**	**All compatible**
Type of current and polarity	**DC EN**	**All compatible**
Deposited thickness (mm)	**1.5**	**1,50 to 3 mm**
Pipe outside diameter (mm)	**50**	**25 and over**
Welding position(s)	**H-L045**	**PA, PC, PE, PF**
Weld details / Layer technique	**ss gb**	**ss mb, bs, ss gb**

*Qualify also branch connections with an angle >= 60°

Type of test							
Visual	**Acceptable**	Radiographic	**Not tested**	Magnetic particle	**Not tested**	Penetrant	**Not tested**
Macro	**Not tested**	Fracture	**Not tested**	Bend	**Acceptable**		

Revalidation method 9.3 a)

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WELDER APPROVAL CERTIFICATE
ACCORDING TO UNI EN ISO 9606-1:2017

No. **24TO03622CE3**

Designation	**UNI EN ISO 9606-1 141 T FW FM5 S t1.5 D50 PH ml**					
Welder	**DI BIDINIO ROBERTO**					
Born in	**SAN DANIELE DEL FRIULI (UD)**			on	**24/02/1984**	
Identification	**DBDRRT84B24H816F**	Method of Identification	**C.F.**	Stamp No.	**DBR**	
Employer/Manufacturer	**INGEGN PROTOTIPI S.R.L. - San Daniele Del Friuli (UD)**					

WPS used by welder during welding of test coupon: **03/2024** Job knowledge: **not tested**

Welding variables	Test piece	Range of qualification
Welding process(es)	**141**	**141; 142; 143; 145**
Product type	**Pipes**	**Plates and pipes**
Type of weld	**FW**	**Fillet weld**
Parent Metal group (ISO/TR 15608)	**8**	**1 to 11**
Filler material group(s)	**FM5**	**FM5**
Filler material type	**Solid rod**	**Solid rod/ metal-cored rod/No filler metal**
Shielding gas (EN ISO 14175)	**I 1**	**All compatible**
Type of current and polarity	**DC EN**	**All compatible**
Material thickness (mm)	**1.5**	**1,50 to 3,00**
Pipe outside diameter (mm)	**50**	**25 and over**
Welding position(s)	**PH**	**PA, PB, PC, PD, PE, PF**
Weld details / Layer technique	**ml**	**sl, ml**

Type of test							
Visual	**Acceptable**	Radiographic	**Not tested**	Magnetic particle	**Not tested**	Penetrant	**Not tested**
Macro	**Acceptable**	Fracture	**Not tested**	Bend	**Not tested**		

Revalidation method 9.3 a)

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