Bureau Veritas Certification

C.M.I. DI BIANCHI SRL

Via G. Marconi, 10/B-24040 FORNOVO SAN GIOVANNI (BG) - Italy

Sede Oggetto di certificazione:

Via G. Marconi, 10/B-24040 FORNOVO SAN GIOVANNI (BG) - Italy

Bureau Veritas Italia S.p.A. certifica che il sistema di gestione dell'organizzazione sopra indicata è stato valutato e giudicato conforme ai requisiti della norma di sistema di gestione seguente

ISO 9001:2015

Campo di applicazione

Progettazione e fabbricazione di scambiatori di calore, apparecchi a pressione e caldareria.

Settore IAF: **18**

Data della certificazione originale:	**26-Febbraio-2009**
Data di scadenza precedente ciclo di certificazione:	**23-Febbraio-2021**
Data dell'Audit di certificazione / rinnovo:	**16-Febbraio-2021**
Data d'inizio del presente ciclo di certificazione:	**09-Marzo-2021**
Soggetto al continuo e soddisfacente mantenimento del sistema di gestione questo certificato è valido fino al:	**23-Febbraio-2024**

N° Certificato - Versione: **IT304755 - 1**

Data di emissione: **09-Marzo-2021**

GIORGIO LANZAFAME - Local Technical Manager

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

SGQ N° 009A

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC mutual Recognition Agreements

Indirizzo dell'organismo di certificazione:
Bureau Veritas Italia S.p.A., Viale Monza, 347 - 20126 Milano, Italia

Ulteriori chiarimenti sul campo di applicazione di questo certificato e sui requisiti applicabili della norma del sistema di gestione possono essere ottenuti consultando l'organizzazione.

Per controllare la validità di questo certificato consultare il sito www.bureauveritas.it

BUREAU VERITAS
Certification

Certificato di Conformità

Rilasciato a

C.M.I. DI BIANCHI SRL

SEDE LEGALE E OPERATIVA:
Via G. Marconi, 10/B
24040 FORNOVO SAN GIOVANNI (BG)

Bureau Veritas Italia S.p.A. certifica che il Sistema di Gestione di questa organizzazione è stato valutato e giudicato conforme ai requisiti della norma

ISO 9001:2008

in relazione al seguente scopo

Progettazione e costruzione di scambiatori di calore, apparecchi a pressione, caldareria e carpenteria.

Settore/i EA di attività:	18
Data inizio validità:	26/02/2009
Revisione del:	25/02/2012
Scadenza:	24/02/2015

La validità del presente certificato è subordinata a sorveglianza periodica ed è consultabile sul sito www. bureauveritas.it
Ulteriori chiarimenti riguardanti lo scopo di questo certificato e l'applicabilità del sistema di gestione possono essere acquisiti contattando l'organizzazione.

Certificato N°: IT231037

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

SGQ N° 009A
SGA N° 008D
PRD N° 009B
SCR N° 008F
PSMS N° 003I
PRS N° 076C

Membro degli Accordi di Mutuo Riconoscimento EA e IAF
Signatory of EA and IAF Mutual Recognition Agreements

Managing & Certification Office:
Bureau Veritas Italia S.p.A. - Divisione Certificazione - Viale Monza, 261 - 20126 Milano - ITALIA

European Scheme for the Education and Qualification of Welding and Joining Personnel

EUROPEAN WELDING FEDERATION

EOTC AGREEMENT GROUP

for Welding, Joining, Cutting and Surfacing

Having met the education and training requirements of
EWF Guideline 'European Welding Specialist' and
by examination having satisfied the requirements of the
Governing Board of the Authorised National Body

is hereby awarded the diploma of

EUROPEAN WELDING SPECIALIST

Date 23/07/2002 Diploma **EWS/IT,** 50082

Dott. Ing. Augusto Morgiotti

Chairman,
Board of Examiners

Dott. Ing. Maura Scasso

Head,
Training School

ISTITUTO ITALIANO SALDATURA ENTE MORALE

EWF Autorized National Body: Istituto Italiano della Saldatura, ITALY

Istituto Italiano della Saldatura, Divisione FOR. Genova - ITALY

Scheme Administration: EOTC AG *Scheme Control:* EWF

EWF PARTICIPATING COUNTRIES

Austria • Belgium • Bulgaria • Croatia • Denmark • Finland • France • Germany • Hungary • Iceland • Island • Italy • Luxemburg • Netherlands • Norway
Poland • Portugal • Romania • Slovakia • Slovenia • Spain • Sweden • Switzerland • United Kingdom

INTERNATIONAL INSTITUTE OF WELDING

Having met the Education and Training requirements of IIW Guideline 'International Welding Specialist' and by examination having satisfied the requirements of the Examination Board of the IIW Authorised National Body

is hereby awarded the diploma of

INTERNATIONAL WELDING SPECIALIST

Date 31/03/2004 Diploma **IWS/IT** 50082

Prof. Ing. Alfredo Squarzoni
Chairman,
Governing Board

Dott. Ing. Luca Timossi
Chief Executive

IIW Autorized National Body: Istituto Italiano della Saldatura, ITALY

Giuseppe Rivaroli

LEVEL III - N.D.T. - Q.A. CONSULTANT

QUALIFICATION CERTIFICATE FOR NON DESTRUCTIVE TESTING

This is to certify that: [redacted]

of: *C.M.I. di Bianchi S.r.l. - FORNOVO SAN GIOVANNI (BG)*

has been examined and qualified as N.D.T. LEVEL II in accordance with the REQUIREMENTS OF PERSONNEL QUALIFICATION PROCEDURE N° "POWP Rev. 0" AND THE AMERICAN SOCIETY FOR NON DESTRUCTIVE TESTING SNT-TC -1A THE LATEST CODE ACCEPTED EDITION.

This certificate expires as indicated or upon termination of employement

RIVAROLI GIUSEPPE
MEC. ENG. LEVEL III BY EXAM
ASNT CERT. N. 27936
UNI EN 473 - CERT. N. 394

EXAMINER - NDT LEVEL III

C.M.I. di BIANCHI SRL
Via G. Marconi, 10/B
24040 FORNOVO S.G. (BG)
Tel. 0363-351176 - Fax 0363-353351

GENERAL - MANAGER

N.D.T. 1585/RG-11

CERTIFICATE NUMBER

Endorsments - The Holder of this Certificate has been Certified as N.D.T. Level II in the General - Specific and Practical Requirements for the N.D.T. Methods specified below:

VT METHOD	PT METHOD	MT METHOD	RT METHOD	UT METHOD
QUAL. DATE //	QUAL. DATE //	QUAL. DATE //	QUAL. DATE //	QUAL. DATE 24.02.2011
EXP. DATE //	EXP. DATE //	EXP. DATE //	EXP. DATE //	EXP. DATE 24.02.2016

QUALIFICATION CERTIFICATE FOR NON DESTRUCTIVE TESTING

Giuseppe Rivaroli

LEVEL III - N.D.T. - Q.A. CONSULTANT

This is to certify that: [redacted]

of: *C.M.I. S.r.l. - Fornovo San Giovanni (BG)*

has been re-examined and re-qualified as N.D.T. LEVEL II in accordance with the REQUIREMENTS OF PERSONNEL QUALIFICATION PROCEDURE N° "POWP Rev 0" AND THE AMERICAN SOCIETY FOR NON DESTRUCTIVE TESTING SNT-TC -1A THE LATEST CODE ACCEPTED EDITION.

This certificate expires as indicated or upon termination of employement

RIVAROLI GIUSEPPE
MEC. ENG LEVEL III BY EXAM
ASNT CERT. N. 27936
UNI EN 473 - CERT. N. 177 S/PND/C

EXAMINER - NDT LEVEL III

C.M.I. di BIANCHI SRL
Via G. Marconi, 10/B
24040 FORNOVO S/G. (BG)
Tel. 0363-351176 - Fax 0363-353351

GENERAL - MANAGER

N.D.T. 1793/RG-12

CERTIFICATE NUMBER

Endorsments - The Holder of this Certificate has been Certified as N.D.T. Level II in the General - Specific and Practical Requirements for the N.D.T. Methods specified below:

VT METHOD	PT METHOD	MT METHOD	RT METHOD	UT METHOD
QUAL. DATE //	QUAL. DATE 24.10.2012	QUAL. DATE 24.10.2012	QUAL. DATE //	QUAL. DATE //
EXP. DATE //	EXP. DATE 24.10.2017	EXP. DATE 24.10.2017	EXP. DATE //	EXP. DATE //

QUALIFICATION CERTIFICATE FOR NON DESTRUCTIVE TESTING

Giuseppe Rivaroli

LEVEL III - N.D.T. - Q.A. CONSULTANT

This is to certify that: [redacted]

of: *C.M.I. S.r.l. - Fornovo San Giovanni (BG)*

has been re-examined and re-qualified as N.D.T. LEVEL II in accordance with the REQUIREMENTS OF PERSONNEL QUALIFICATION PROCEDURE N° "POWP Rev 0" AND THE AMERICAN SOCIETY FOR NON DESTRUCTIVE TESTING SNT-TC -1A THE LATEST CODE ACCEPTED EDITION.

This certificate expires as indicated or upon termination of employement

RIVAROLI GIUSEPPE
MEC. ENG LEVEL III BY EXAM
ASNT CERT. N. 27936
UNI EN 473 - CERT. N. 17315/PND/C

EXAMINER - NDT LEVEL III

C.M.I. di BIANCHI SRL
Via G. Marconi, 19/B
24040 FORNOVO S. G. (BG)
Tel. 0363-351776 - Fax 0363-353351

GENERAL - MANAGER

N.D.T. 1759/RG-12

CERTIFICATE NUMBER

Endorsments - The Holder of this Certificate has been Certified as N.D.T. Level II in the General - Specific and Practical Requirements for the N.D.T. Methods specified below:

VT METHOD	PT METHOD	MT METHOD	RT METHOD	UT METHOD
QUAL. DATE *23.05.2012*	QUAL. DATE //	QUAL. DATE //	QUAL. DATE //	QUAL. DATE //
EXP. DATE *23.05.2017*	EXP. DATE //	EXP. DATE //	EXP. DATE //	EXP. DATE //

Certificato
Certificate

01 202 I/Z-10 4133/01

di idoneità di personale addetto alle prove non distruttive
of eligibility of NDT personnel

in conformità alle norme UNI EN 473, ISO 9712
ed ai sensi della Direttiva PED 97/23/CE
This certificate is issued according to UNI EN 473, ISO 9712 and PED 97/23/EC

Sig.	[redacted]	[redacted]	Bergamo (BG)	[redacted]
Titolo/ *Titel*	Cognome/ *Last name*	Nome/ *First Name*	Luogo di nascita/ *Place of birth*	Data di nascita/ *Date of birth*

Metodo *Method*	Livello *Level*	Valido fino *Expiring date*	Settore industriale & di prodotto *Industrial & product sector*	Metodo *Method*	Livello *Level*	Valido fino *Expiring date*	Settore industriale & di prodotto *Industrial & product sector*
RT	2	06/2015	A, PED; c, t, f, w, wp	RT*	---	---	---
UT	2	02/2016	A, PED; c, t, f, w, wp	UT*	---	---	---
PT	2	10/2014	A, PED; c, t, f, w, wp	VT	2	05/2014	A, PED; c, t, f, w, wp
MT	2	12/2014	A, PED; c, t, f, w, wp	---	---	---	---

A: Fabbricazione di metalli / *Metal production and manufacturing*
B: Prova pre-servizio e in servizio di attrezzature, impianti e strutture / *Service of preliminary & operation testing of equipment, systems & buildings*
C: Manutenzione ferroviaria / *Railway maintenance*
D: Aerospaziale / *Air and space travel*

PED: Direttiva sulle attrezzature a pressione 97/23/CE / *Pressure Equipment Directive 97/23/EC*

(c) Getti / *Castings* (f) Fucinati / *Forged pieces* (w) Prodotti saldati / *Welded products* (wp) Prodotti lavorati / *Rolled products*

(t) Tubi e condotte, inclusi i prodotti piatti per la fabbricazione di tubi saldati / *Pipes including flat products from which welded pipes are manufactured*

RT: Radiografia / *Radiographic testing*
RT*: Limitazione interpretazione lastre radiografiche / *Limited to radiographic film evaluation*
VT: Metodo visivo / *Visual inspections*
UT: Ultrasuoni / *Ultrasonic testing*
UT*: Controllo spessimetrico *Thickness measuring*
MT: Particelle magnetiche / *Magnetic particle testing*
PT: Liquidi penetranti / *Liquid penetrant testing*
ET: Correnti indotte / *Eddy current testing*
LT: Rivelazione di fughe / *Leak testing*

TÜV Rheinland Certification Body for NDT Personnel of
TÜV Rheinland Industrie Service GmbH
Am Grauen Stein D - 51105 Cologne
Contact in Italy: +39 035 49 33.147

Dott. Ing. Guido Maines
Milan, 2011.07.05

Entità terza riconosciuta ai sensi dell'Art. 13 della direttiva 97/23/CE, numero di Notifica 0035
Organismo di certificazione per personale PND accreditato secondo EN ISO/IEC 17024:2004, da EA Membro BMWi (ZLS-ZP-040/05)
Recognized independent testing office according to Article 13 of the Pressure Equipment Directive 97 / 23 / EC, Id. No. 0035
Accredited Certification Body for NDT-Personnel according to EN ISO/IEC 17024, by EA Member BMWi (Reg. No. ZLS-ZP- 040 /05)

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C.M.I. di Bianchi & Ripamonti S.n.c. Via Lanzanova, 19 24040 FORNOVO S.G. (BG) ITALY	WELDER PERFORMANCE QUALIFICATION RECORD QW - 301 ASME IX Ed. 2007	N° BO_08 pWPS n° 119A Sheet 1 di 2

WELDER NAME ***BIANCHI OMAR*** Identificazion No. //// ***STAMP No. BO***

Test Description

Identification of pWPS followed by welder during welding of test coupon: ***pWPS N°119*** Test coupon [X] Production Weld [ ]
Welding process (es) used ***a) GTAW - b) SMAW - c) SAW*** Type ***a) MANUAL -- b) MANUAL -- c) MACHINE***
Specification of base metal (s): ***ASTM / ASME A (SA) - 387 Gr.5 Cl.2*** Thickness ***13,00 mm.***

Testing condition and Qualification Limits

QW-350	Welding Variables for Welders	Actual values		Range Qualified
QW-402.4	Backing (metal, weld metal, welded from both sides, etc.)	WITHOUT		WITH OR WITHOUT
QW-403.16	[X] Plate [ ] Pipe (enter diameter, if pipe)	13 mm.		PIPES ϕ > " 73 mm. " and PLATES
QW-403.18	Base Metal ASME P or S - N°./ Gr.N° **5B / 1 to**			P-N°.1 trough P-N°11; P-N°.34;
	ASME P or S - N°./ Gr.N° **5B / 1**			P-N°.41 trough P-N°47; THE
				CORRISPONDING S - N°.
				AND UNASSIGNED METALS
				OF SIMILAR CHEMICAL
				COMPOSITION TO THESE
				METALS .
	Welding Process (es)	***a) GTAW***	***b) SMAW***	
QW-404.14	With or Without Filler Metal	WITH	////	*a)* WITH
QW-404.15	Filler metal F - N°.	6	4	*a)* All F-N°6; *b)* F-N° 4 and Lower
QW-404.18	Filler metal or electrode specification (s) (SFA)	SFA 5.28 - '96	SFA 5.5 -'96	////
QW-404.18	Filler metal or electrode classification (s)	ER 80S - B6	E 8015-B6L	////
QW-404.22	Consumable insert for GTAW or PAW	N.A.	*N.A.*	////
QW-404.23	Filler Type (solid / metal or flux cored / power) (GTAW or PAW)	Solid rod	Stick	*a)* Solid rod; *b)* Stick
QW-404.30	Deposit tickness for each process			
	Process 1: GTAW 3 layers minimum [ ] Yes [X] No	***2,5 mm.***	////	***Groove: up to 5,0 mm.;Fillet: All***
	Process 2: SMAW 3 layers minimum [X] Yes [ ] No	////	***8 mm.***	***Groove: up to 16,0 mm.;Fillet: All***
QW-404.32	t Limit Short Circuit Arc	N.A.	////	////
QW-405.1	Qualified Welding position (1G, 5G, etc.)	**1 G**		GROOVE: F - FILLET: F
QW-405.3	Vertical welding	N.A.		N.A.
QW-408.8	Inert gas backing (GTAW, PAW, GMAW)	WITH	////	*a)* WITH
			WITH	*b)* on root when performing SMAW
QW-409.4	GTAW current type / polarity (AC; DCEP; DCEN)	DCEN	////	*a)* DCEN
QW-409.2	Transfer mode (spray/globular or pulse to short circuit - GMAW)	N.A.		*a)* N.A.

	Bend Tests	Results			Results
QW-302.4	Visual examination of completed weld	OK	QW-462.5 (c)	Pipe bend speciment, corrosion - resistant overly	NO
QW-462.2	Side	OK	QW-462.5 (d)	Plate bend speciment, corrosion - resistant overly	NO
QW-462.3 (a)	Transverse Root and Face	//	QW-462.5 (b)	Macro test for fusion	NO
QW-462.3 (b)	Longitudinal Root and Face	//	QW-462.5 (c)	Macro test for fusion	NO
QW-191	Alternative radiographic examination Results	//	QW-304 and QW-305	Radiografic test results	OK

QW-180	Fillet weld - fracture test:	NONE	Lenght and percent of defects	NO DEFECT
QW-184	Macro Examination:	Report N° ***5269/08 Sheet 2 di 2***	Fillet leg size mm. X mm.	Convexity or concavity
Other Test:	Micro Examination:	Report N° ////		
	Chemical Analisys:	Report N° ////		
Film or Specimens evaluated by		IRTEC s.r.l.	Company: IRTEC s.r.l	Report N° ***5226/08***
Mechanical test Test conducted by:		IRTEC s.r.l.	Laboratory-test No.	***5269/08 sheet 1/2 di 3 -- PWHT N° 5264/08***
Welding Supervised by:		*G.LUZI -- B.V.*		

We certify that the statements in this record are correct and that the test welds were prepareted, welded and tested in accordance with the requirements of Section IX of the ASME Code BPV

MANUFACTURER **INSPECTING AUTHORITY**
BUREAU VERITAS 1370

Date 01/07/2008

C.M.I. di Bianchi - Ripamonti S.n.c.

BUREAU VERITAS ITALY WITNESSED NOTED REVIEWED SEN. SURVEYOR G. LUZI DATE

BUREAU VERITAS SURVEYORS AT WORK PARIS 1828 ITALY

QUALIFICA PROCEDIMENTO SALDATURA
WELDING PROCEDURE QUALIFICATION RECORD

In accordo alla norma EN ISO 15614-1:2004

According to EN ISO 15614-1:2004

Presso il costruttore / delivered to the manufacturer : **C.M.I. di Bianchi**

dopo esecuzione dei talloni di saldatura / after execution of the welded test piece

il (data) / the (date) : **17/06/2008** **luogo** / location : **FORNOVO S.G. (BG)**

in presenza di / in the presence of : **Mr. G. Luzi - Bureau Veritas - Milan**

Si certifica che la procedura di saldatura, in accordo alla specifica di saldatura (pWPS) allegata dal costruttore, ha dato esito soddisfacente, in accordo con i requisiti della norma EN ISO 15614-1:2004

Which certified that the welding procedure, according to the preliminary welding procedure specification (pWPS) in annex stated by the manufacturer, has given satisfactory results, in accordance with the requirements of the standard EN ISO 15614-1:2004

Verbale emesso il / Record issued the : **01/07/2008**

Con riferimento a / with the reference (WPQR Nr.) : **MIL - 08 - B - 390**

Nome. Data e firma dell'Ispettore autorizzato / Name, date and signature of the authorised examiner :

BUREAU VERITAS ITALY WITNESSED NOTED REVIEWED SEN. SURVEYOR G. LUZI DATE

BUREAU VERITAS SURVEYORS AT BV ITALY PARIS 1828