

CERTIFICATE

ISO 3834-2:2021

Management of Quality in Welding
Comprehensive quality requirements

Vinçotte nv,

Jan Olieslagerslaan 35
B-1800 Vilvoorde - Belgium

This is to certify that the following company @ location(s)

Deprest nv

Frank van Dycklaan 24
B-9140 Temse
Belgium

Has established and maintains a quality system according the requirements of

ISO 3834 part 2 ed.2021

For the following product(s) or service range(s)

Manufacturing of horizontal & vertical vessels; atmospheric, low and high pressure & temperature for (petro)chemical, pharmaceutical food and non food industries and manufacturing of constructions of all sort

With the Scope of Activity stated in the attached Annex to this certificate

Certificate number: **2023 WMS/2 36**
Date of first issue: **21st of February 2018**
Date of current issue: **21th February 2023**
Expiration date : **20th of February 2028**

Further clarifications regarding the scope of this certificate and the applicability of ISO 3834-series:2021 requirements may be obtained by consulting the initial certification report-No ANT/34/61131081/00/EN/002 together with the annual surveillance reports or the certifying organization.

This certificate is granted subject to Vinçotte nv's General Regulations.



Signed for the certification body :


Arne Callens
Chairman Certification Committee



Annex to the Certificate

ISO 3834-2:2021

Management of Quality in Welding Comprehensive quality requirements

Scope of Activity

The used product or other standards and/or regulation frame:

2014/68/EU
305/2011
EN1090

EN 13445
EN 13480
EN 14015

AD2000
ASME B31.3
ASME VIII
API 650

Implementing the following combination(s) of Welding Process(es) and Parent Material(s)

Welding Process(es) [acc. ISO 4063]	Parent Material(s) [acc. To ISO/TR 15608]	Welding Process(es) [acc. ISO 4063]	Parent Material(s) [acc. To ISO/TR 15608]
111	1, 8, 10, 43	151	1, 8
121	1, 8, 10	135+136	1, 8, 10
131	22, 23	135+138	1
141	1, 5, 8, 10, 22, 23, 43, 45	138+121	5
135	1, 8, 7, 10	141+131	43
136	1, 8, 10	141+121	10.1
		141+135	1, 5, 7, 8, 45

Under the supervision of the Responsible Welding Coordinator – RWC*, according to ISO 14731 :

Robin Simons – Equivalent knowledge level C

Back-up Welding Coordinators :

- **Bjorn Maes – IWT (No NL-IWT-1422)**
- **Emile Ongena – IWS (No NL-IWS 450)**
- **Kasper Van Brabant – IWE (No IWE-BE-00342) – external**

* The RWC has been submitted to the required technical interview.

Certificate number: **2023 WMS/2 36**
Date of first issue: **21st of February 2018**
Date of current issue: **21th February 2023**
Expiration date : **20th of February 2028**

Further clarifications regarding the scope of this certificate and the applicability of ISO 3834-series:2021 requirements may be obtained by consulting the initial certification report-No ANT/34/61131081/00/EN/002 together with the annual surveillance reports or the certifying organization.

This certificate is granted subject to Vinçotte nv's General Regulations.



Signed for the certification body :

Arne Callens
Chairman Certification Committee





VINCOTTE nv

Jan Olieslagerslaan 35 1800 Vilvoorde Belgium
phone: +32 2 674 57 11 brussels@vincotte.be



ISO 3834 Welding Certification | tel: +32 2 674 58 03 3834@vincotte.be

Our References

Report N° : ANT/34/61131081/00/EN/002

Contract ref. : 4874500/2243796

Your References

Ref : PO 831178

Intervention data

Place : Frank van Dyckelaan 24 – 9140 Temse

Date : 27/10 & 28/10/2022

Performed by : Alexandra Andries

Deprest nv
Att. Robin Simons
Frank van Dyckelaan 24
B-9140 Temse
België

REPORT CERTIFICATION AUDIT ISO 3834

CONCLUSION

During the implementation assessment for renewal of the certificate no non-conformities were found.

Deprest nv is in compliance with the requirements of ISO 3834-2 and can be nominated for re-certification.

Please note that this nomination is still subject to review. After positive evaluation by the Certification Committee a new certificate will be issued.

The audit time was reduced with 0.5 day because of the maturity of the implemented quality system.



ing. ANDRIES Alexandra
Lead Contract Engineer
Agent/3286

Ing. Alexandra Andries
Lead auditor

Annex(es) : A and B

Distribution : or. Client
cc. agent + file

Report of the certification audit according to the ISO 3834 quality requirements for fusion welding of metals

Manufacturer: *Deprest nv*
 Frank van Dyckelaan 24
 9140 Temse

This report contains confidential information.
This report may only be reproduced in its entirety.
The assessed company may not reproduce or make public
parts of this report without prior consent of Vincotte nv.

Audit references

- Manufacturer
- Department of manufacturer
- Location
- Manufacturer's contact person
- Reference standard
- Audit date

Deprest nv

Construction shop

Frank van Dyckelaan 24 – 9140 Temse

Robin Simons

ISO 3834-2 : Comprehensive Quality Requirements

27/10 & 28/10/2022

- **Audit team**

- Lead Auditor

Alexandra Andries

- **Participants of the audit**

- Welding coordinator

Robin Simons

- **Audit reference documents**

- Questionnaire

Personal notes

Content

1	Field of application	5
1.1	Activity(ies) indicated on the certificate :	5
1.2	Details mentioned in the Annex of the certificate :	5
2	References	5
3	Audit objective and schedule	6
4	Findings and reviews	7
4.1	Outcome of the professional interview of the (responsible) welding coordinator(s)	7
4.2	Compliance of the quality manual with the requirements of the ISO 3834	7
4.3	Review of requirements and technical review	7
4.4	Sub-contracting	7
4.5	Welding personnel	7
4.6	Inspection and testing personnel	8
4.7	Equipment	8
4.8	Welding and related activities	8
4.9	Filler materials	8
4.10	Storage of base materials	9
4.11	Post-weld heat treatment	9
4.12	Inspection and testing	9
4.13	Non-conformance and corrective actions	9
4.14	Calibration and validation of measure, inspection and testing equipment	9
4.15	Identification and traceability	10
4.16	Quality reports	10
4.17	Verification of an ISO 3834 application at location(s) (other than main workshop)	10
5	Remarks made during the “Closing meeting”	11
6	Proceedings and subsequent actions	11

1 Field of application

1.1 Activity(ies) indicated on the certificate :

Manufacturing of horizontal & vertical vessels, atmospheric, low and high pressure & temperature for (petro)chemical, pharmaceutical, food and non food industries and manufacturing of constructions of all sort

1.2 Details mentioned in the Annex of the certificate :

Product standard(s) and norm(s)

EN 1090 – EN 13445 – EN 13480 – EN 14015 – AD2000 – ASME B31.3 – ASME VIII – API 650

Welding process(es) ifo relevant Base material(s)

Welding process(es)	Base materials
111	1, 8, 10, 43
121	1, 8, 10
131	22, 23
135	1, 8, 7, 10
136	1, 8, 10
135+136	1, 8, 10
135+138	1
138+121	5
141	1, 5, 8, 10, 22, 23, 43, 45
141+135	1, 5, 7, 8, 45
141+131	43
141+121	10.1
151	1, 8

(Responsible) Welding Coordinator(s) and level

Robin Simons, Equivalent knowledge level C

Back-up Welding Coordinators :

- Björn Maes – IWT – NL-IWT-1422
- Emile Ongena – IWS – NL-IWS-450

Kasper Van Brabant – IWE – IWE-BE-00342

2 References

The hereunder listed standards and documents were used as reference :

- a) ISO 3834-2:ed.2021 : Quality requirements for fusion welding – Comprehensive quality requirements
- b) CEN ISO/TR 3834-6:ed.2007 : Guidelines on implementing ISO 3834
- c) ISO 15609 : Specification and qualification of welding procedures for metallic materials
- d) ISO 9606-1 : Qualification testing of welders - Fusion welding
- e) ISO 9712 : Non-destructive testing — Qualification and certification of NDT personnel
- f) ISO 14731 : Welding coordination - Tasks and responsibilities
- g) Procedure manual of Deprest nv – No. H002 version 00 dd. 11/08/2017

3 Audit objective and schedule

During the **certification audit (CA)** is assessed whether the system used by the manufacturer to secure the quality in welding for the intended application is correctly described and implemented as stated in the reference standard ISO 3834.

For the assessment mentioned above the topics indicated hereunder were subject to spot check verification to verify whether the documentation and practical application thereof complied with the requirements of the relevant part of ISO 3834.

- ☒ Compliance of the quality manual with the requirements of the ISO 3834
- ☒ Review of requirements and technical review
- ☒ Sub-contracting
- ☒ Welding personnel
- ☒ Inspection and testing personnel
- ☒ Equipment
- ☒ Welding and related activities
- ☒ Filler material
- ☒ Storage of base materials
- ☒ Post-weld heat treatment
- ☒ Inspection and testing
- ☒ Non-conformance and corrective actions
- ☒ Calibration and validation of measure, inspection and testing equipment
- ☒ Identification and traceability
- ☒ Quality reports
- ☒ Verification of an ISO 3834 application at location

4 Findings and reviews

In the context of the **certification audit**, our findings and reviews can be found hereunder listed per item.

4.1 Outcome of the professional interview of the (responsible) welding coordinator(s)

Overall responsible welding coordinator is Robin Simons, Engineering Manager and responsible for the Quality Systems EN 1090 – ISO 3834. He is an engineer, with equivalent knowledge level C with regard to welding. His knowledge is more than sufficient for the activities of Deprest nv.

There are 3 back-up welding coordinators : Bjorn Maes, Production Manager, IWT, Diploma nr. NL-IWT 1422, Emile Ongena, Quality responsible QC, IWS, Diploma nr. NL-IWS 450 and Kasper Van Brabant (external), Diploma IWE-BE-00342.

Some tasks are delegated to the welding coordinators, but always under supervision of the overall responsible welding coordinator. Bjorn does more the 'office' activities' and Emile the shop activities. Kasper composes the weld books and signs for the 6-monthly confirmation by the employer of all welders' certificates. Their theoretical knowledge is sufficient for the dedicated tasks and they are familiar with the procedures and instructions of Deprest nv.

Conclusion: Satisfactory

Reference: ISO 3834-2 Article(s) 7.3 ISO 3834-5 Annex A ISO 3834-6 Article(s) 10.3

4.2 Compliance of the quality manual with the requirements of the ISO 3834

The manual is in compliance with the requirements of ISO 3834-2.

Conclusion: Satisfactory

Reference: ISO 3834-6 Article(s) 7 and Annex A

4.3 Review of requirements and technical review

Random check of document F200 for project 322123 (Caustic washer V220-ET04-BA003). No remarks.

All requirements are included in the document. This document is also the input for following steps in the production process, such as test & Inspection plan, NDT requirements, ...

Conclusion: Satisfactory

Reference: ISO 3834-2 Article(s) 5.2 and 5.3

4.4 Sub-contracting

NDT is sub-contracted. See paragraph 'Inspection and testing'
PWHT is sub-contracted, when applicable.

Conclusion: Satisfactory

Reference: ISO 3834-2 Article(s) 6

4.5 Welding personnel

Welders' certificates of welders for project 322123 were verified.

Jeronimo Rabita, lasser ID 615, certificate for WD1 (107), welding process 141, BW, certificate issued 01/04/2022, ISO 9606-1, prolongation according to paragraph 9.3b).

Jeroen Vanderheyden, lasser ID 134, certificate for WD37-45°, welding process 121, qualification according to ISO 14732 (operator). Issue date is 2020, method of prolongation 9.3a) is mentioned, with a validity of 3 years. This is not the case for qualification according to ISO 14732.

Remark : please contact the certifying organism for correction of the certificate.

Tom & Tim, operators for the plasma welding machine. Issue date of the certificates is 2016, prolonged by the NoBo after 3 years.

Marnix Mannaert (project 322410), welding process 141, BW and FW, issue date 12/03/2021, ISO 9606-1, paragraph 9.3b)

6-monthly confirmation by the employer is done by welding coordinator Kasper Van Brabant.
No remarks.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 7

4.6 Inspection and testing personnel

Visual testing is done by own personnel.

Please note that the qualification PT of Emile Ongena has expired.

Other non-destructive testing is done by an external company, Applus. List of NDT procedures is available, latest revision of the list is dd. 10/2022. New revision is requested on a as needed basis. List of qualified NDT personnel is available, yearly update is requested. Latest update is from 2021, 2022 not yet available.

Verification of qualification of operator Yirmibes Yavuz, level 2 RT. No remarks.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 8

4.7 Equipment

Maintenance records of all equipment are presented. No remarks.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 12

4.8 Welding and related activities

All welding related documents are available for the presented project : drawings of the equipment, welding book, weld traceability list, Inspection and testplan.
Weld specifications are available in the shop.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 10, 11 and 12

4.9 Filler materials

Storage of filler materials is done in a separate room, with registration of temperature and humidity. No remarks.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 11.3

4.10 Storage of base materials

There are no specific remarks regarding storage of base materials. All materials are stored according to the rules of good workmanship.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 12

4.11 Post-weld heat treatment

Post-weld heat treatment is only occasionally applicable, depending on the frame in which the welding is applicable (usually pressure equipment). When applicable, it is sub-contracted. All necessary documents are available to subcontract post-weld heat treatment.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 13

4.12 Inspection and testing

'Request for NDT'-form for project 322123 is presented. Applicable code of construction is mentioned on the request and also in the report.
For the presented project according to AD2000, production test plates are required. The test plates have not yet been sent to the laboratory, but reports from previous project is presented : Element report no. DEP4291042133197-07.
No remarks.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 14

4.13 Non-conformance and corrective actions

All kind of non-conformities are managed by the procedures and instructions from ISO 9001. At this moment there are no welding related non-conformities, but the system shows that non-conformities are registered and followed-up.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 15

4.14 Calibration and validation of measure, inspection and testing equipment

F601 is an overview of all measuring equipment with frequency of calibration/validation.
F602 is an overview of all pressure gages with reference to the calibration reports (calibration by an external company, Calimet). Several calibration reports were verified. No remarks.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 16

4.15 Identification and traceability

Materials are identified according to procedure. Regarding traceability there is an over stamping procedure in which is described that heat number and material specification should be over stamped. Random check in the shop showed all materials are identified and traceable to the material certificate. No remarks.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 17

4.16 Quality reports

All necessary reports as required by the standard are incorporated in the procedures and used as described.

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) 18

4.17 Verification of an ISO 3834 application at location(s) (other than main workshop)

2 projects were verified :

- 322123 – Caustic Washer Decanter
- 322410 – Sleeve plates for Alinco

Conclusion: Satisfactory
Reference: ISO 3834-2 Article(s) x

5 Remarks made during the “Closing meeting”

Please see the respective paragraph.

6 Proceedings and subsequent actions

The **certification audit** went according to the proposed schedule and audit time

- ☒ Yes
- ☐ No, ...

About 3 months before the first anniversary of your certificate, a message with the schedule and composition of the audit team of the next surveillance audit will be sent to you, taking into account the conditions stated in the original offer.

When you didn't receive this message two months before the anniversary of your certificate, you should contact your Lead Auditor.