

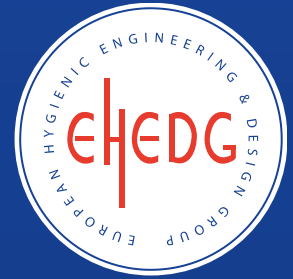


EHEDG Certification Scheme: Recent Developments

Prepared By:

A. Timperley, Chairman of Working Group Certification

Certification Classes



EHEDG Certification Scheme (proposal update 2022)

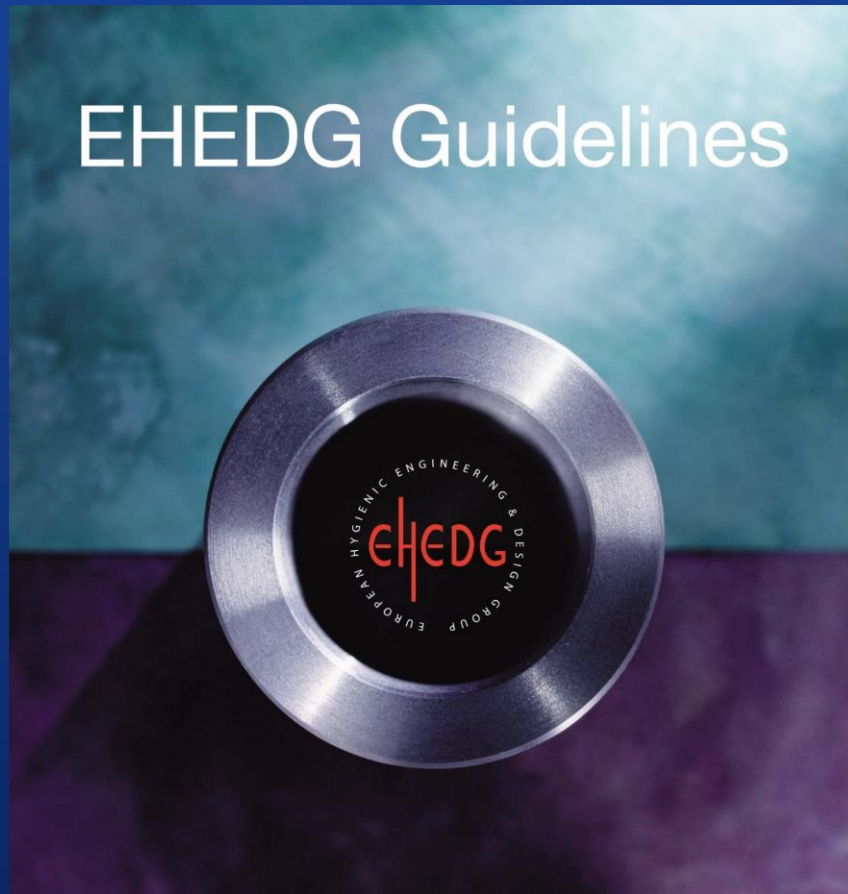
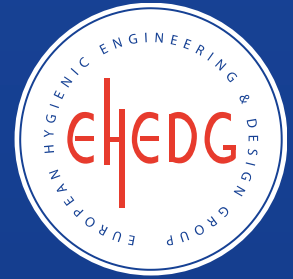
Certificate Type*	EL CLASS I	EL ASEPTIC CLASS I	EL CLASS II	EL ASEPTIC CLASS II
Cleaning procedure	wet			
	cleaning without dismantling		cleaning with dismantling	
Processes	Closed / open	Closed	Closed / open	closed
Fulfilled requirements according to EHEDG doc.	8, (9, 10, 13, 16, 32, 35) **	8, (9, 10, 16, 32, 35, 39) **	8, (9, 10, 13, 32, 35) **	8, (9, 10, 16, 32, 35, 39) **
Design evaluation and relevant area***	area inside the equipment and/or area exterior of the equipment roughness Ra / radii / microscopic examination	area inside the equipment roughness Ra / radii / microscopic examination	area inside the equipment and/or area exterior of the equipment roughness Ra / radii / microscopic examination / accessibility	area inside the equipment roughness Ra / radii / microscopic examination / accessibility
EHEDG Test methods	Cleanability (doc 2) (doc 57)	Cleanability (doc 2) + Sterilisability (doc 5) + Bacteria tightness (doc 7)	none	Sterilisability (doc 5) + Bacteria tightness (doc 7)
Equipment Examples	pipe line equipment like pumps, valves, sensors auxiliary equipment like vision sensors, machine levelling feet, gear drive unit	pipe line equipment like pumps with double mechanical seal, bellow valves, sensors	blender, dosing pump, tank mounted relief valve conveyor, meat mincing, slicing machine	cleaned by dismantling and sterilisable and bacteria tight like pressure relief valve with double seal

* Contact EHEDG authorised institutes for design evaluations and equipment classification.

** If necessary, other special guidelines, e.g. doc 25 about mechanical seals, could be used to get more clearness about essential requirements to get an easy to clean design.

*** Design evaluation is a practical step to qualify the hygienic design requirements.

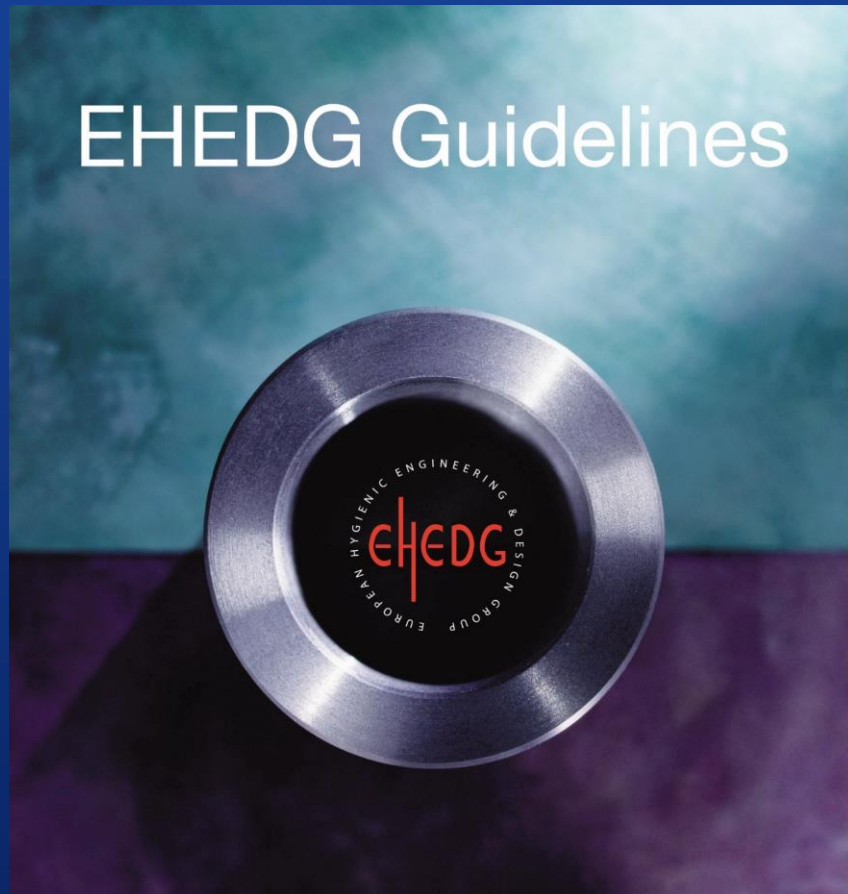
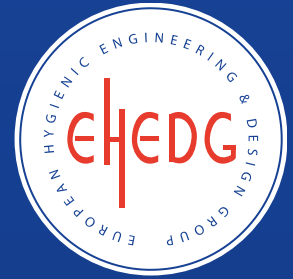
Supporting Documents



DOC No. 57
**A METHOD FOR THE ASSESSMENT OF OPEN
PROCESS EQUIPMENT CLEANABILITY**

August 2022

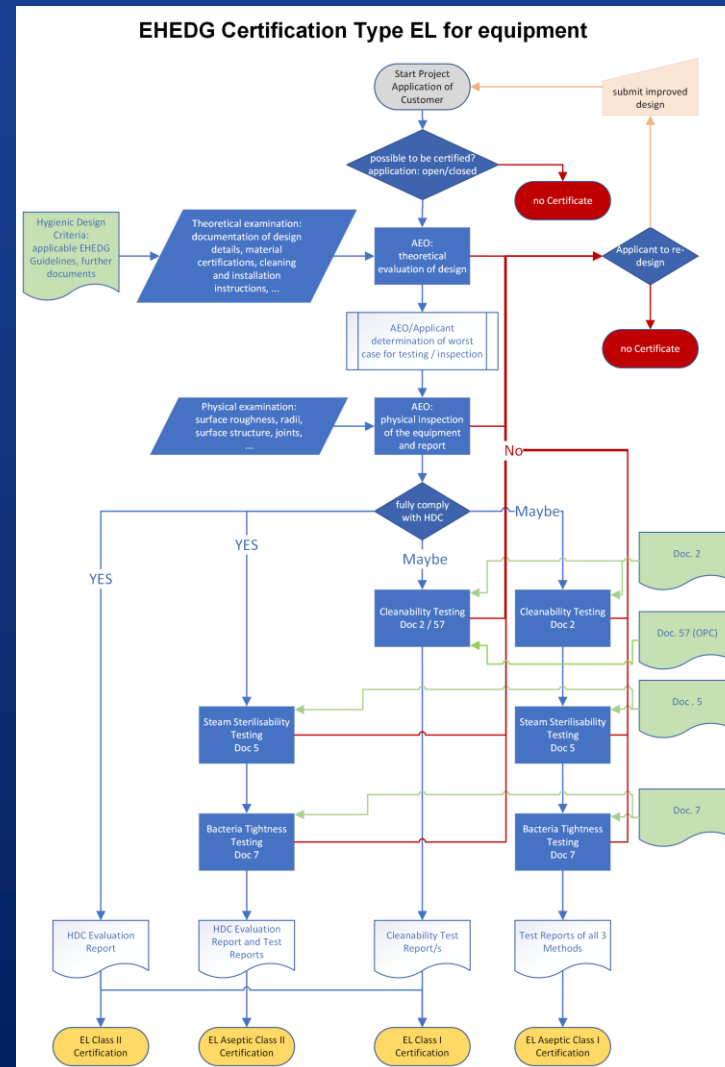
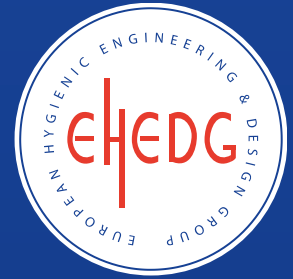
Supporting Documents



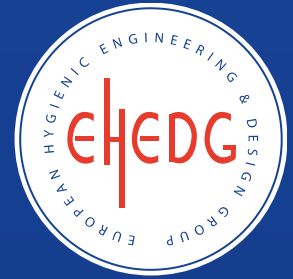
DOC No 13
**HYGIENIC DESIGN CRITERIA FOR EQUIPMENT
USED IN WET-CLEANED OPEN FOOD PROCESSING
ENVIRONMENTS**

Third edition, Month 2022

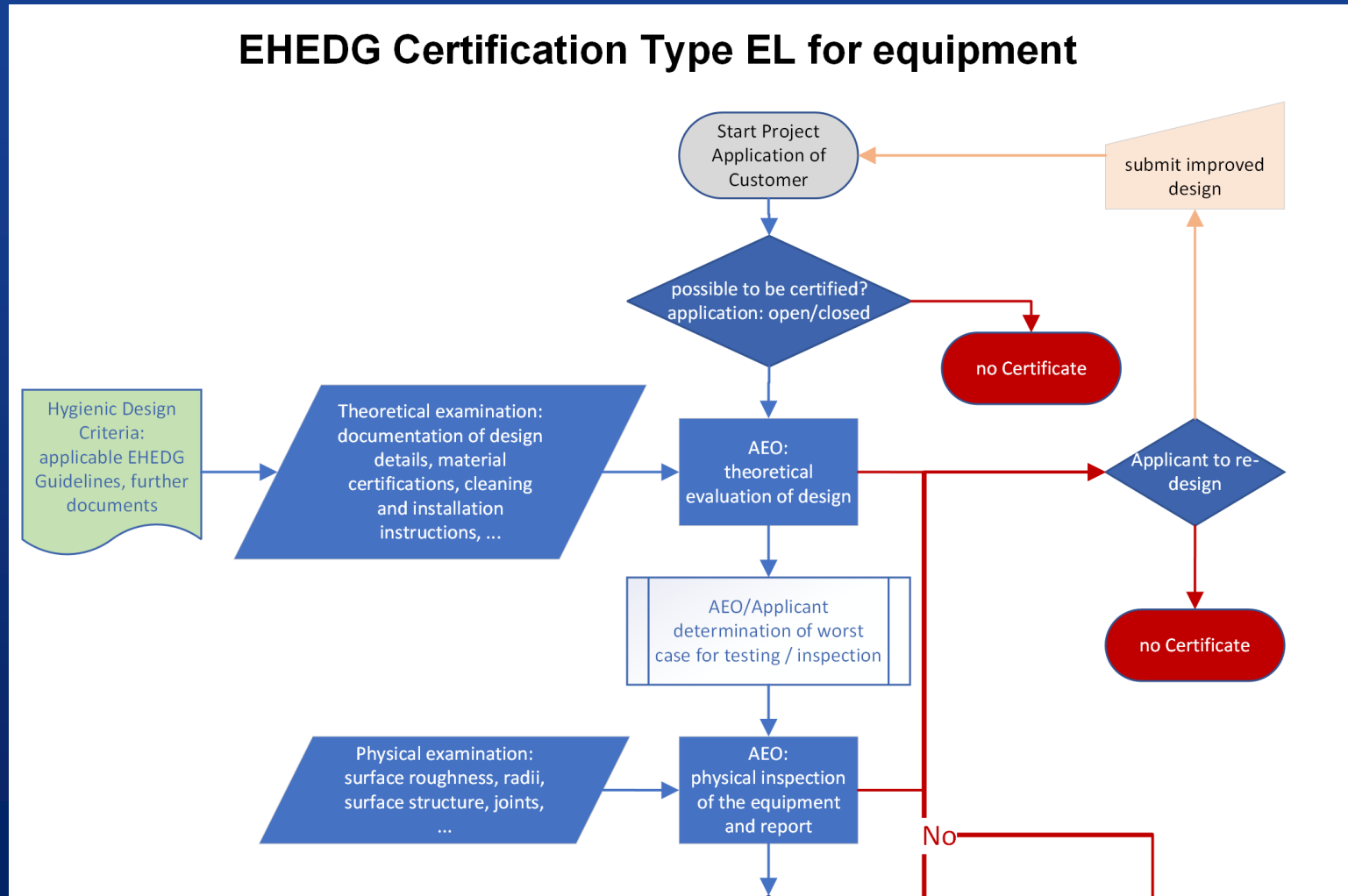
Certification Flowchart



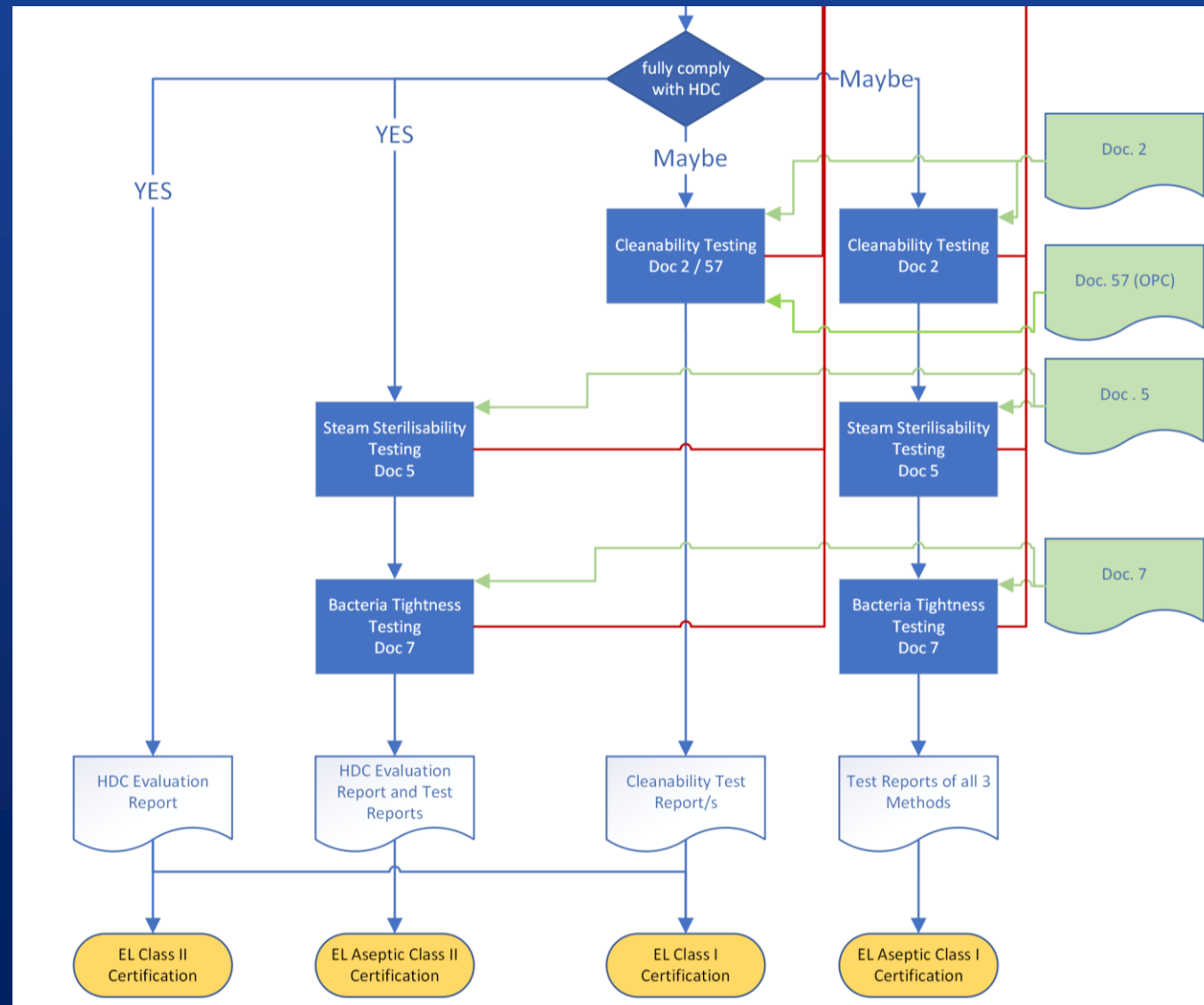
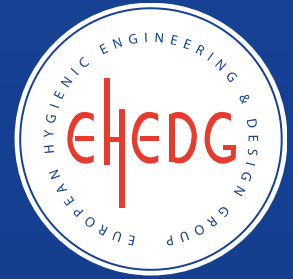
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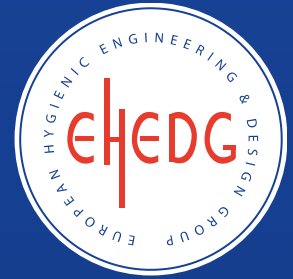
EHEDG Certification Type EL for equipment



Certification Flowchart



Appendix 3 : New format



EHEDG Certification – Equipment Evaluation Form

Design Evaluation Date: 26.07.2022
EHEDG File Number: EHEDG-R22000xx
Certification Type: EL CLASS I

Applicant: Company name

Equipment: equipment name, type, sizes, with gasket material

Other essential identification:

Evaluated by:

Name: name of AEO

Date, Signature: _____

Approved by:

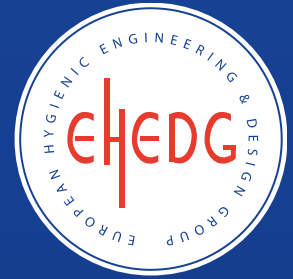
Name: name of AEO

Date, Signature: _____

The use of the EHEDG Certification logo is justified based on the results of the design evaluation, inspection, and testing (as applicable) of the equipment for compliance with the current EHEDG Hygienic Design Criteria (HDC):

Criteria	Certification for use in Closed Processes
<input checked="" type="checkbox"/>	The equipment complies with all applicable HDC in the Guidelines.
<input type="checkbox"/>	Evidence for compliance required and provided by in-place cleanability test method according to EHEDG Doc. 2.
<input type="checkbox"/>	Evidence for compliance required and provided by in-place cleanability test method according to EHEDG Doc. 2, in-place sterilisability test method according to EHEDG Doc. 5, and bacteria tightness test according to EHEDG Doc. 7 for EL ASEPTIC Certification.
Criteria	Certification for use in Open Processes
<input type="checkbox"/>	The equipment complies with all applicable HDC in the Guidelines.
<input type="checkbox"/>	Evidence for compliance required and provided by OPC cleanability test method according to EHEDG Doc. 57.

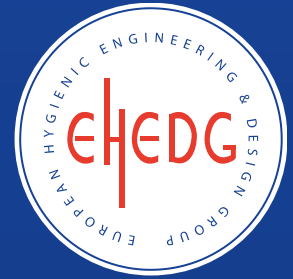
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<input checked="" type="checkbox"/>	The equipment complies with all applicable HDC in the Guidelines.
<input type="checkbox"/>	Evidence for compliance required and provided by in-place cleanability test method according to EHEDG Doc. 2.
<input type="checkbox"/>	Evidence for compliance required and provided by in-place cleanability test method according to EHEDG Doc. 2, in-place sterilisability test method according to EHEDG Doc. 5, and bacteria tightness test according to EHEDG Doc. 7 for EL ASEPTIC Certification.
Criteria	Certification for use in Open Processes
<input type="checkbox"/>	The equipment complies with all applicable HDC in the Guidelines.
<input type="checkbox"/>	Evidence for compliance required and provided by OPC cleanability test method according to EHEDG Doc. 57.

Certificate: New format



CERTIFICATE OF COMPLIANCE


EL Class I

Date of issue: 7 June 2022
Valid until: 31 December 2023

EHEDG hereby declares that the product
conductive conductivity sensor type LDL101 with PEEK sealing

from
ifm electronic gmbh, Friedrichstrasse 1 , 45128 Essen, Germany

has/have been evaluated for compliance and meets/meet the current criteria for
Hygienic Equipment Design of the EHEDG

three choices of closed/open process applications
of closed and open process applications

Certificate No. EHEDG-C2200027

Signed  President EHEDG
Ludvig Josefsberg

Signed  EHEDG Certification Officer
Karlijn Faber

EHEDG
Gooimeer 1
1411 DC Naarden
Netherlands
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