



Marine & Offshore

Certificate number: SMS.LAB.320/2756/G.0

www.veristar.com

RECOGNITION OF TEST LABORATORY

Metlab Oy
Tampere - FINLAND

Summary of the range of the recognition which is detailed in the subsequent page(s):

Material testing according to Bureau Veritas Classification Rules

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the testing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 07 Feb 2027

For Bureau Veritas Marine & Offshore,
At BV TURKU (ABO), on 01 Feb 2023,
Miika KOKKO

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarpn.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=ch6brfgrop>

BV Mod. Ad.E 686 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

Type of test	Test standard	Test witnessing requirements	Remark
Bend tests	SFS-EN ISO 7438:2020	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Bend tests	SFS-EN ISO 5173:2011	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Brinell Hardness test	SFS-EN ISO 6506-1:2014	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Determination of grain size, copper and copper alloys	SFS-EN ISO 2624:1996	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Determination of grain size, metals and non-metallic materials	ASTM E112-13 (2021)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Determination of grain size, steels	SFS-EN ISO 643:2020	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Determination of volume fraction	ASTM E562-19e1	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Elementary analysis	XRF-analysis, MET-X500485 int method	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Elementary analysis	Optical emission spectom. int. method MET-1285	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Impact test, Charpy V and U	SFS-EN ISO 148-1:2016, ASTM E23-18	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Macro- and microscopic tests of welds	SFS-EN ISO 17639:2022	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Rockwell Hardness test	SFS-EN ISO 6508-1:2016	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Tensile test at room temperature	SFS-ISO 6892-1:2019	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Tensile test at elevated temperature	SFS-EN ISO 6892-2:2018	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022
Vickers Hardness test	SFS-EN ISO 6507-1:2018	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A18/2022

2. LIMITATIONS

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to testing facilities and associated quality procedures in order to agree on appropriate actions.

Metlab Oy has to carry out and report the tests in compliance with the relevant testing standard(s) and has to make the necessary arrangements to comply with the witnessing requirements agreed with Bureau Veritas Marine & Offshore.

Metlab Oy has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

3. REMARKS

Recognition also applicable for the following non-accredited services

- Macro- and microstructure examinations and corrosion tests

***** END OF CERTIFICATE *****