

**BUREAU
VERITAS**

Marine & Offshore

Certificate number: SMS.LAB.320/2756/F.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: 22 May 2023

For Bureau Veritas Marine & Offshore,

At BV HELSINKI, on 22 May 2019,

Tommy Andersson



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=a24cppolnm>

BV Mod. Ad.E 686 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

Type of test	Test standard	Test witnessing requirements	Remark
Bend tests	SFS-EN 910 (1996), SFS-EN ISO 7438 (2016)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018
Bend tests	SFS-EN ISO 5173 (2011)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018
Brinell Hardness test	SFS-EN ISO 6506-1 (2014)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018
Elementary analysis	Optical emission spectrom. int. method MET-1285 rev 01 (2014)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018
Elementary analysis	XRF-analysis, MET-X500485, Rev 0 (2018)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018
Impact test, Charpy V and U	SFS-EN 10 045-1 (1990), SFS-EN ISO 148-1 (2016)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018
Macro- and microscopic tests of welds	SFS-EN ISO 17639 (2013)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018
Rockwel Hardness test	SFS-EN ISO 6508-1 (2016)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018
Tensile test	SFS-EN 10 002-1 (2002), ISO 6892-1 (2016)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018
Vickers Hardness test	SFS-EN ISO 6507-1 (2018)	Tests to be witnessed	FINAS accreditation SFS-EN ISO 17025 T027/A14/2018

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 ***