



Lloyd's  
Register

## Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate is issued to:

<b>PRODUCER</b>	Sigrist- Photometer AG Hofurlistrasse 1 6373 Ennetbürgen Switzerland
<b>DESCRIPTION</b>	Water Monitoring System (PAH, Turbidity, PH and Temperature)
<b>TYPE</b>	ScrubberGuard
<b>APPLICATION</b>	Water monitoring system for continuous monitoring of scrubber wash water.
<b>STANDARD</b>	MEPC.259(68) - 2015 Guidelines for exhaust gas cleaning - Adopted on 15. May 2015 - Chapter 10 "Wash water".
<b>RATINGS</b>	Power supply: 220VAC / 60 Hz 230 VAC/ 50 Hz Firmware version: V129
<b>OTHER CONDITIONS</b>	In order to fulfil the requirements of MEPC.259(68) Chapter 10.3 for "Wash water monitoring data recording" additional equipment (e.g. data recording) will have to be installed.

<b>Certificate No.</b>	19/20030
<b>Issue Date</b>	29. April 2019
<b>Expiry Date</b>	28. April 2024
<b>Sheet</b>	1 of 2



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*The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.*

*The Design Appraisal Document No. HTS/ETS 38151-19 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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