

# CERTIFICATE OF CONFORMITY - EC (MODULE G)

Certificate No:  
**MEDG00000ED**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

## This is to certify:

**That the On board exhaust gas cleaning systems**

with type designation and serial number

**GTM-R installed onboard "BG Sapphire" (IMO: 9803699) - 0078**

Issued to

**Yara Marine Technologies AB**  
**Göteborg, Västra Götalands Län, Sweden**

is, by design assessment and product verification, found to comply with  
Regulation **(EU) 2017/306,**  
**item No. MED/2.10. Marpol 73/78 as amended, Annex VI Regulation 4 and IMO Res.**  
**MEPC.259(68)**

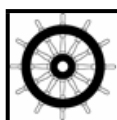
USCG Approval No: **N/A**

Further details of the equipment and conditions for certification are given overleaf.

Issued at **Hamburg** on **2018-05-18**

DNV GL local station:  
**Hamburg Environmental  
Certification**

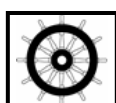
Approval Engineer:  
**Mirko Schlegelmilch**



Notified Body  
No.: **0098**

for **DNV GL SE**

**Sven Dudzus**  
**Head of Notified Body**



0098/yyyy

0098: Notified Body number undertaking quality surveillance  
yyyy: The year in which the mark is affixed

The product liability tests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate remains valid unless suspended, withdrawn, recalled or cancelled, provided this equipment is not modified without the acceptance of the notified body named herein.

This certificate authorises the manufacturer to affix the "Mark of Conformity" (wheelmark) to the product described herein.



Job Id: **344.1-007777-4**  
Certificate No: **MEDG00000ED**

### **Product description**

On board exhaust gas cleaning system used as an alternative compliance method with fuel oil Sulphur limits.

### **Application/Limitation**

According to MEPC.259(68) - Scheme B, compliance with fuel oil sulphur requirements is demonstrated by continuous exhaust emission and washwater discharge monitoring. The monitoring system is subject to periodical surveys according to MEPC.259(68).

### **Type Examination documentation**

SOx Emission Compliance Plan (SECP), Revision A January 9 2018, Approved: 2018-02-12  
EGC System Technical Manual (ETM-B), Revision A January 9 2018, Approved: 2018-02-12  
Onboard Monitoring Manual (OMM), Revision A January 9 2018, Approved: 2018-02-12  
EGC Record Book, Revision A January 9 2018, Approved: 2018-02-12

### **Tests carried out**

On-board verification of Exhaust Gas Cleaning System

Reports:

- DNV GL Checklist for verification of Exhaust Gas Cleaning Systems (EGC 631), date of issue: 2018-04-18

### **Marking of product**

The product is to be indelibly marked with name and address of manufacturer, type designation, dimensions and date of manufacture. In addition, the manufacturer shall affix the Mark of Conformity followed by the DNV GL Notified Body No. 0098 and the production year (4 digits).