



格式
Form CP383.02

中国船级社
CHINA CLASSIFICATION SOCIETY

编号
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生活污水处理装置型式认可证书
CERTIFICATE OF TYPE APPROVAL
FOR SEWAGE TREATMENT PLANTS

兹证明, 已按国际海事组织MEPC. 227/(64)决议(不包括4.2)要求, 对由制造厂

SELMAR TECHNOLOGIES S.r.l.

制造的型号为 **BLUE SEA 2500~22000(PLUS)**、设计水力负荷为 **2.5~22.0**
立方米/天 (m^3/day)、有机负荷为 **1.29~11.35** 千克/天无硝化生化需氧量 (BOD_5)、设计图纸号为
S20070044-PLUS 的生活污水处理装置进行了检查并试验合格, 该装置符合经
MEPC. 115(51)和MEPC. 200(62)决议修正的《经1978年和1997年议定书修订的1973年国际防止船舶
造船污染公约》MARPOL附则IV第9.1.1和9.2.1条的操作要求。

This is to certify that the Sewage Treatment Plant, Type **BLUE SEA 2500~22000(PLUS)** having a designed
hydraulic loading of **2.5~22.0** cubic meters per day, (m^3/day), an organic loading of
1.29~11.35 kg per day biochemical oxygen demand without nitrification(BOD_5 without nitrification) and
of the design shown on Drawings Nos. **S20070044-PLUS**

manufactured by **SELMAR TECHNOLOGIES S.r.l.**
has been examined and satisfactorily tested in accordance with the International Maritime Organization resolution
MEPC.227(64) (except for paragraph 4.2) to meet the operational requirements referred to in regulation 9.1.1 and
9.2.1 of MARPOL Annex IV of the International Convention for the Prevention of Pollution from Ships, 1973, as
modified by the 1978 Protocols (as amended by resolutions MEPC.115(51) and MEPC.200(62)).

该生活污水处理装置的检验在:

The tests on the sewage treatment plant were carried out

陆上进行* **SELMAR TECHNOLOGIES S.r.l.**
ashore at* **SELMAR TECHNOLOGIES S.r.l.**
船上进行* _____
onboard at* _____
并于 **2008-10-09** 完成

and completed on

该生活污水处理装置经试验并对其排出物作分析后, 得出以下数值:

The sewage treatment plant was tested and produced an effluent which, on analysis, produces:

- (i) 耐热大肠菌群的几何平均值为不超过100个/100ml;
a geometric mean of no more than 100 thermotolerant coliforms/100ml;



Nº 18247872

- (ii) 悬浮固体总量几何平均值不超过 $35Q_i/Q_e$ mg/l (如在陆上试验) 或用于冲洗的周围海水中悬浮固体最大总量不超过 $(35+x) Q_i/Q_e$ mg/l (如在船上试验);
a geometric mean of total suspended solids not exceed $35 Q_i/Q_e$ mg/l if tested ashore or the maximum total suspended solids not exceeding $(35 \text{ plus } x) Q_i/Q_e$ mg/l for the ambient water used for flushing purposes if tested on board
- (iii) 5天无硝生化需氧量(无硝化 BOD_5)的几何平均值不超过 $25 Q_i/Q_e$ mg/l;
a geometric mean of 5-day Biochemical Oxygen Demand without nitrification(BOD_5 without nitrification) of no more than $25 Q_i/Q_e$ mg/l;
- (iv) 化学需氧量(COD)的几何平均不超过 $125 Q_i/Q_e$ mg/l;
a geometric mean of Chemical Oxygen Demand(COD) of no more than $125 Q_i/Q_e$ mg/l;
- (v) pH值介于6与8.5之间;
pH between 6 and 8.5;

主管机关确认, 该生活污水处理装置在与其正常运行位置任何平面的倾角达 22.5° 时, 仍能运行。
The Administration confirms that the sewage treatment plant can operate at angles of inclination of 22.5° in any plane from the normal operating position.

试验和所得结果详细情况见本证书附录。

Details of the tests and results obtained are shown on the Appendix to this Certificate.

每台生活污水处理装置均应由标牌或耐用标签注明制造厂名、型号和序列号、水力负荷以及制造日期。
A plate or durable label containing data of the manufacturer's name, type and serial numbers, hydraulic loading and date of manufacture is to be fitted on each sewage treatment plant.

任何配有上述生活污水处理装置的船舶均应携有本证书的副本。

A copy of this Certificate shall be carried on board any ship equipped with the above described sewage treatment plant.

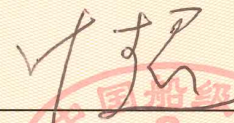

主管机关印章
Office stamp

签字
Signed

中国船级社
China Classification Society

日期

Dated this 2020年01月09日



Ye Chao)

*视情况可删除

* Delete as appropriate.