# Certificate

Nr. 420.01C03

## MI Nutra-Lite

Plant with active sludge in Sequencing Batch Reactor (SBR) and primary settlement

**Marsh Industries Limited**
Units 3-13 Addington Park Industial Est., NN14 4AS Northants, UK

**EN 12566-3:2005+A2:2013, Annex B: Treatment efficiency test**
Small wastewater treatment systems for up to 50 PT – Part 3: Packaged and/or site assembled domestic wastewater treatment plants

Detailed results and information on the test are provided in test report PIA2024-420B06.

***Extract of performance details (EN 12566-3, Annex B: Treatment efficiency test)***

| | | | |
|---|---|---|---|
| Organic daily load (influent, nominal) | 0.20 kg $BOD_5$/d | | |
| Hydraulic daily load (nominal) | 0.6 $m^3$/d | | |
| Treatment efficiency (nominal) | | Efficiency | Effluent |
| | COD | 95.8 % | 33 mg/l |
| | $BOD_5$ | 98.7 % | 4 mg/l |
| | $TN_b$* | 83.9 % | 11.1 mg/l |
| | $NH_4$-N* | 99.1 % | 0.5 mg/l |
| | $P_{tot}$ | 34.3 % | 6.0 mg/l |
| | SS | 97.1 % | 11 mg/l |
| Electrical consumption (nominal) | | | 0.7 kWh/d |
| Number of desludging (30 weeks testing EN 12566-3 without desludging) | | | 2 after 30 week test cycle |
| Number of maintenance operations during the test (without start-up phase) | | | 0 |

* determined for temperatures ⩾ 12° C in the bioreactor

Tested by:
PIA – Prüfinstitut für Abwassertechnik GmbH
Hergenrather Weg 30
52074 Aachen, Germany

This certificate is for information purposes only and replaces neither the related test report nor the declaration of performance or the CE marking. The results relate only to the tested object.

PIA – Sustainable Certification

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ber 2024, Dipl.-Ing. Gabriel Schatzki
Head of department "Wastewater Treatment"

Notified Body
No.: 1739

Certified according to
ISO 9001:2015