

**Declaration of Performance Characteristics**  
**No. 02/NV/16**

1. Unique identification No of the type of product:  
**NV type biological treatment plants of domestic waste water:**
  - NV-1 a, NV-1 m, NV-1 t;
  - NV-2 a, NV-2 m, NV-2 t;
  - NV-3 a, NV-3 m, NV-3 t;
  - NV-4 a, NV-4 m, NV-4 t.
2. Product application: **treatment of domestic and similar wastewater.**
3. Producer: **Traidenis UAB, Pramonės g. 31B, LT-62175 Alytus, Lietuva (Lithuania).**
4. Authorised representative:
5. System of assessment and verification of constancy of performance of the construction product: **3.**
6. Harmonised standard: **EN 12566-3:2005+A2:2013.**  
Notified authority: **NB1397, Statybos produkcijos sertifikavimo centras, VĮ (SPSC).**
7. Declared performance characteristics:

Performance characteristic	Declared value	Technical specification
<b>Treatment efficiency</b> (when loading with organic materials, BOD <sub>7</sub> = 0.216 kg/d)	BOD <sub>7</sub> : 94.3 % COD: 88.9 % Z: 95.1 % P: 58.8 % N <sub>Kj</sub> : 86.8 % NH <sub>4</sub> -N: 87.8 %	EN 12566-3:2005+A2:2013, Annex B
<b>Nominal loading with organic materials (BOD<sub>7</sub>):</b> - NV-1 a, NV-1 m, NV-1 t - NV-2 a, NV-2 m, NV-2 t - NV-3 a, NV-3 m, NV-3 t - NV-4 a, NV-4 m, NV-4 t	0.28 kg/d 0.56 kg/d 0.98 kg/d 1.33 kg/d	EN 12566-3:2005+A2:2013, Annex B
<b>Nominal waste water flow rate (QN):</b> - NV-1 a, NV-1 m, NV-1 t - NV-2 a, NV-2 m, NV-2 t - NV-3 a, NV-3 m, NV-3 t - NV-4 a, NV-4 m, NV-4 t	0.80 m <sup>3</sup> /d 1.44 m <sup>3</sup> /d 2.52 m <sup>3</sup> /d 3.42 m <sup>3</sup> /d	EN 12566-3:2005+A2:2013, Annex B
<b>Leaktightness</b>	Secured	EN 12566-3:2005+A2:2013, Annexes A.2 and A.3
<b>Load bearing capacity:</b> - NV-1: - maximum designed load - maximum depth of digging-in - NV-2: - maximum designed load - maximum depth of digging-in - NV-3: - maximum designed load - maximum depth of digging-in - NV-4: - maximum designed load - maximum depth of digging-in	43.3 kPa 2.53 m 39.7 kPa 3.51 m 39.7 kPa 3.94 m 39.7 kPa 4.22 m	EN 12566-3:2005+A2:2013, Annex C.5 EN 976-1:2000 Section 6.8

<b>Durability</b>	provided $\alpha$ - 0,37 $\beta$ – 0,95	EN 12566-3:2005+A2:2013 p.6.5.6
<b>Flamability</b>	E	EN 13501-1:2007+A1:2010
<b>Chemical resistance</b>	NPD	

**\*By using coagulant for phosphorus reduction, the remaining concentration of phosphorus in the treated wastewater shall be  $\leq 1$  mg/l or reduction of phosphorus  $\geq 90\%$ . Dose of coagulant ALSO4  $\approx 100$ ml/m<sup>3</sup> at concentration of phosphorus in the coming wastewater (P)  $\approx 12$ mg/l.**

The performance characteristics of the indicated product satisfy all declared performance characteristics. This Declaration of Performance Characteristics is submitted under the Regulation (ES) No.305/2011, the liability for its content falls solely on the herein indicated producer.

Gintaras Vinikaitis, UAB „Traidenis”, Technical director  
(name, surname)

Alytus, 2016.01.11.

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(place, date)

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(signature)