SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS
Saulėtekio al. 3, LT-10257 Vilnius, Lietuvos Respublika

CERTIFICATE
OF CONSTANCY OF PERFORMANCE

Product	domestic wastewater treatment plants
Types	continuous flow, activated sludge with fixed bed biofilter media: HNV-N-8, HNV-N-9, HNV-N-10, HNV-N-11, HNV-N-12, HNV-N-13, HNV-N-14, HNV-N-15, HNV-N-16, HNV-N-17, HNV-N-18, HNV-N-19, HNV-N-20, HNV-N-21, HNV-N-22, HNV-N-23 and HNV-N-24 (anoxic, aeration and secondary sedimentation chambers consist in one tank; excess sludge removal to the separate stabilization tank; blower installed close to the plant)
Intended use	for raw domestic wastewater treatment for populations above 50 PT
Performances	see Annexes 1, 2 and 3
Manufacturer	UAB "Traidenis", Pramonės g. 31B, LT-62175 Alytus, Lithuania
Manufacturing plant	UAB "Traidenis", Pramonės g. 31B, LT-62175 Alytus, Lithuania
Requirements	NTĮ-01-048:2021

This certificate is issued having performed actions prescribed for system 1 in STR 1.01.04:2015 and confirms that the product complies with requirements set out in this certificate.

Number	SPSC-9314
Date of issue	2023-09-08 (first issued on 2014-09-19)
Valid until	2026-09-09 (information www.spsc.lt)
Granted to	UAB "Traidenis", Pramonės g. 31B, LT-62175 Alytus, Lithuania, company code 249910930

Director Valdemaras Gauronskis

LIETUVOS RESPUBLIKA SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS UŽDAROJI BENDROVĖ VILNIUS

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Statybos produkcijos sertifikavimo centras is the body for certification of building products designated by Minister of Environment

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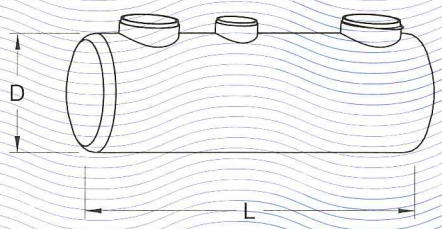
ANNEX 1 TO CERTIFICATE No. SPSC-9314

Issued 2023-09-08

Product domestic wastewater treatment plants

Types continuous flow, activated sludge with fixed bed biofilter media: HNV-N-8, HNV-N-9, HNV-N-10, HNV-N-11, HNV-N-12, HNV-N-13, HNV-N-14, HNV-N-15, HNV-N-16, HNV-N-17, HNV-N-18, HNV-N-19, HNV-N-20, HNV-N-21, HNV-N-22, HNV-N-23 and HNV-N-24 (anoxic, aeration and secondary sedimentation chambers consist in one tank; excess sludge removal to the separate stabilization tank; blower installed close to the plant)

General view of the plant:



Type of wastewater treatment plant	Overall plant dimensions D/L, m	Load, PT (population total (equivalent))
– HNV-N-8	2,45 / 4,6	53
– HNV-N-9	2,45 / 5,0	60
– HNV-N-10	2,45 / 5,5	66
– HNV-N-11	2,45 / 6,1	73
– HNV-N-12	2,45 / 6,6	80
– HNV-N-13	2,45 / 7,2	86
– HNV-N-14	2,45 / 7,4	93
– HNV-N-15	2,45 / 7,7	100
– HNV-N-16	2,45 / 8,3	106
– HNV-N-17	2,45 / 8,8	113
– HNV-N-18	2,45 / 9,4	120
– HNV-N-19	2,45 / 9,6	126
– HNV-N-20	2,45 / 9,9	133
– HNV-N-21	3,0 / 7,2	140
– HNV-N-22	3,0 / 7,7	146
– HNV-N-23	3,0 / 7,9	153
– HNV-N-24	3,0 / 8,3	160

NOTE: PT - population total (equivalent), LST EN 1085

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Saulėtekio al. 3, LT-10257 Vilnius, Lietuvos Respublika

ANNEX 2 TO CERTIFICATE No. SPSC-9314

Issued 2023-09-08

Product domestic wastewater treatment plants

Types continuous flow, activated sludge with fixed bed biofilter media: HNV-N-8, HNV-N-9, HNV-N-10, HNV-N-11, HNV-N-12, HNV-N-13, HNV-N-14, HNV-N-15, HNV-N-16, HNV-N-17, HNV-N-18, HNV-N-19, HNV-N-20, HNV-N-21, HNV-N-22, HNV-N-23 and HNV-N-24 (anoxic, aeration and secondary sedimentation chambers consist in one tank; excess sludge removal to the separate stabilization tank; blower installed close to the plant)

Essential characteristics and performances

Essential characteristic	Test method	Performance
Treatment efficiency (at organic daily load BOD_5 and daily flow as indicated in the NTĮ-01-048:2016): - biochemical oxygen demand (BOD_5), %; - chemical oxygen demand (COD), %; - suspended solids (SS), %; - total phosphorus (P); - ammonium nitrogen (NH_4-N)	"Methodology of assessment (technological) of packaged wastewater treatment plants", VĮ Statybos produkcijos sertifikavimo centras, 2003, Vilnius	95 84 94 NPD NPD
Outlet values (at inlet corresponding to EN 12566-3 item B.3.2): – BOD_5 (average per year), mg O_2/l; – BOD_5 (grab sample), mg O_2/l; – COD (average per year), mg/l; – SS (average per year), mg/l	"Methodology of assessment (technological) of packaged wastewater treatment plants", VĮ Statybos produkcijos sertifikavimo centras, 2003, Vilnius	20 30 125 30
Nominal daily flow Q_N, m^3/d	"Methodology of assessment (technological) of packaged wastewater treatment plants", VĮ Statybos produkcijos sertifikavimo centras, 2003, Vilnius	digitally indicated in the type marking

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SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS
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ANNEX 3 TO CERTIFICATE No. SPSC-9314

Issued 2023-09-08

Product domestic wastewater treatment plants

Types continuous flow, activated sludge with fixed bed biofilter media: HNV-N-8, HNV-N-9, HNV-N-10, HNV-N-11, HNV-N-12, HNV-N-13, HNV-N-14, HNV-N-15, HNV-N-16, HNV-N-17, HNV-N-18, HNV-N-19, HNV-N-20, HNV-N-21, HNV-N-22, HNV-N-23 and HNV-N-24 (anoxic, aeration and secondary sedimentation chambers consist in one tank; excess sludge removal to the separate stabilization tank; blower installed close to the plant)

Essential characteristics and performances

Essential characteristic	Test method	Performance
Watertightness	NTĮ-01-048:2021, Annex 1	pass
Release of dangerous substances	–	NPD
Reaction to fire, class	LST EN 13501-1:2019	E
Load bearing capacity as plant installed when maximum height of backfill and height of the water as indicated in the declaration of performances	NTĮ-01-048:2021, clause 4.3 and Annex 3	pass
Durability, material - glass reinforced plastic (GPR)	NTĮ-01-048:2021, Annex 3	pass

NPD – no performance determined

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