



**TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.**  
**Technical and Test Institute for Construction Prague**

# ATTESTATION

No. 090-040262

It has been stated that for the construction product:

**Small wastewater treatment systems for up to 50 PT  
variant: BIO CLEANER**

placed on the market by:

**ENVI-PUR, s.r.o.**

Na Vičovce 13/4, 160 00 Praha 6, IČO: 25166077

and produced in factory:

**ENVI-PUR, s.r.o.**

Wilsonova 420, 392 01 Soběslav, IČO: 25166077,

**ENVI-PUR Belgorod**

Belgorod, Berezovaja 1.

Notified Body

**Technical and Test Institute for Construction Prague**

has performed

according to the Regulation (EU) 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), Art. 1.4 of the Annex V (system 3)

assessment of performance

for the following characteristics:

- Crushing resistance and maximum load deformation
- Treatment efficiency
- Watertightness
- Durability

given in Annex ZA of the standard

**EN 12566-3:2005+A2:2013**

Test results are contained in Report on the assessment of performance No. 1020-CPR-090038112 from 2017/03/23 issued by Technical and Test Institute for Construction Prague.

Stamp of the TZÚS Praha, s.p.

Prague, 2017-12-04



Ing. Jiří Studnička  
Manager of branch TIS

of the Technical and Test Institute for Construction Prague



ATTESTATION No. 090-040262  
Annex

BIO CLEANER - BASIC, OPTIMA, COMFORT			
Treatment efficiency verified by testing pursuant to EN 12566-3: 2005, Annex B			
BSK <sub>5</sub> (BOD <sub>5</sub> )	98,1%	NL (SS)	96,3%
CHSK (COD <sub>Cr</sub> )	92,2%	N-NH <sub>4</sub> <sup>+</sup>	77,1%

BIO CLEANER - BASIC DUO, OPTIMA DUO, COMFORT DUO			
Treatment efficiency verified by testing pursuant to EN 12566-3: 2005, Annex B			
BSK <sub>5</sub> (BOD <sub>5</sub> )	98,6%	NL (SS)	97,2%
CHSK (COD <sub>Cr</sub> )	93,9%	N-NH <sub>4</sub> <sup>+</sup>	95,4%
N <sub>celk</sub> (N <sub>tot</sub> )	51%	N-NH <sub>4</sub> <sup>+</sup> t>12°C	96,4%

BIO CLEANER - EXCLUSIVE UV P-LESS			
Treatment efficiency verified by testing pursuant to EN 12566-3:2005+A2:2013, Annex B			
BOD <sub>5</sub>	98%	SS	95%
COD <sub>Cr</sub>	95%	N-NH <sub>4</sub> <sup>+</sup>	73%
N <sub>tot</sub>	64%	P <sub>tot</sub>	91%
Enterococci	99,986%	Escherichia coli	99,997%
Thermotolerant coliform bacteria	99,997%	Coliform bacteria	99,997%
Somatic coliphage	100%	-----	-----

BIO CLEANER - EXCLUSIVE P-LESS			
Treatment efficiency verified by testing pursuant to EN 12566-3:2005+A2:2013, Annex B			
BOD <sub>5</sub>	98%	SS	95%
COD <sub>Cr</sub>	95%	N-NH <sub>4</sub> <sup>+</sup>	73%
N <sub>tot</sub>	64%	P <sub>tot</sub>	91%





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BIO CLEANER - BASIC P-LESS, OPTIMA P-LESS, COMFORT P-LESS			
Treatment efficiency verified by testing pursuant to EN 12566-3:2005+A2:2013, Annex B			
BOD <sub>5</sub>	98%	SS	97%
COD <sub>Cr</sub>	96%	N-NH <sub>4</sub> <sup>+</sup>	71%
N <sub>tot</sub>	64%	P <sub>tot</sub>	94%

BIO CLEANER - EXCLUSIVE UV P-LESS DUO			
Treatment efficiency verified by testing pursuant to EN 12566-3:2005+A2:2013, Annex B			
BOD <sub>5</sub>	98%	SS	94%
COD <sub>Cr</sub>	96%	N-NH <sub>4</sub> <sup>+</sup>	81%
N <sub>tot</sub>	59%	P <sub>tot</sub>	90%
Enterococci	100%	Escherichia coli	100%
Thermotolerant coliform bacteria	100%	Coliform bacteria	100%
Somatic coliphage	100%	-----	

BIO CLEANER - EXCLUSIVE P-LESS DUO			
Treatment efficiency verified by testing pursuant to EN 12566-3:2005+A2:2013, Annex B			
BOD <sub>5</sub>	98%	SS	94%
COD <sub>Cr</sub>	96%	N-NH <sub>4</sub> <sup>+</sup>	81%
N <sub>tot</sub>	59%	P <sub>tot</sub>	90%

BIO CLEANER - BASIC P-LESS DUO, OPTIMA P-LESS DUO, COMFORT P-LESS DUO			
Treatment efficiency verified by testing pursuant to EN 12566-3:2005+A2:2013, Annex B			
BOD <sub>5</sub>	99%	SS	98%
COD <sub>Cr</sub>	97%	N-NH <sub>4</sub> <sup>+</sup>	80%
N <sub>tot</sub>	59%	P <sub>tot</sub>	95%

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