

A the request of **BIOROCK**
 4-5 Zone d'Activités Économiques
 Le Triangle Vert
 L-5691 ELLANGE - LUXEMBOURG

Synthesis of performances of small wastewater treatment plants MONOBLOCK

Type testing in accordance with the standard EN 12566-3 + A2 (2013) *Small wastewater treatment systems for up to 50 PT — Part 3: Packaged and/or site assembled domestic wastewater treatment plants*

Essential Characteristics	Performances	Type testing report																			
Effectiveness of treatment	<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">SWWTP reference</th> <th style="text-align: center;">TREATMENT EFFICIENCY TEST</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">Loads and ratios measured during the nominal sequences (sur 20 results)</td> </tr> <tr> <td rowspan="12" style="text-align: center; vertical-align: middle;"> CM6 Nominal hydraulic daily flow Q_N 0,90 m³/d Nominal organic daily load (BOD_5) 0,36 kg/d </td> <td style="text-align: center;">Mean tested organic daily load:</td> </tr> <tr> <td style="text-align: center;"><i>BOD</i>₅ 0,32 kg/d</td> </tr> <tr> <td style="text-align: center;">Mean efficiency ratios obtained:</td> </tr> <tr> <td style="text-align: center;"><i>BOD</i>₅ 95%</td> </tr> <tr> <td style="text-align: center;"><i>COD</i> 91%</td> </tr> <tr> <td style="text-align: center;"><i>SS</i> 97%</td> </tr> <tr> <td style="text-align: center;">Effluent mean concentrations measured:</td> </tr> <tr> <td style="text-align: center;"><i>BOD</i>₅ 16 mg/l</td> </tr> <tr> <td style="text-align: center;"><i>COD</i> 78 mg/l</td> </tr> <tr> <td style="text-align: center;"><i>SS</i> 12 mg/l</td> </tr> <tr> <td colspan="2" style="text-align: center;">Mean electrical power consumption measured: 0 kWh/d</td> </tr> <tr> <td colspan="2" style="text-align: center;">Number of desludging procedure carried out : 1</td> </tr> </tbody> </table>	SWWTP reference	TREATMENT EFFICIENCY TEST	Loads and ratios measured during the nominal sequences (sur 20 results)		CM6 Nominal hydraulic daily flow Q_N 0,90 m³/d Nominal organic daily load (BOD_5) 0,36 kg/d	Mean tested organic daily load:	<i>BOD</i>₅ 0,32 kg/d	Mean efficiency ratios obtained:	<i>BOD</i>₅ 95%	<i>COD</i> 91%	<i>SS</i> 97%	Effluent mean concentrations measured:	<i>BOD</i>₅ 16 mg/l	<i>COD</i> 78 mg/l	<i>SS</i> 12 mg/l	Mean electrical power consumption measured: 0 kWh/d		Number of desludging procedure carried out : 1		008002 from 20/04/2017
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The tests have been carried out by notify laboratory CERIB (Notify Body n°1164).

This document is a synthesis of the performances of the tested products-type, whose the description and test results are detailed in the type test reports referenced for each performance.

This document only certifies the characteristics of the tested products-type submitted for testing and makes no judgement about the characteristics of similar products.

Épernon, the 12th June 2017.

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Development & Innovation Manager



ACCREDITATION N°1-0001
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Centre Technique Industriel (loi du 22 juillet 1948) SIRET 775 682 784 00027 – NAF 7219Z. Agréé par le ministère de l'Intérieur (arrêté du 4.04.2011) pour les essais de résistance au feu des éléments de construction. Certificateur de produits (Art. L. 115-27 Code de la consommation), mandaté par AFNOR Certification. Notifié par l'État pour le marquage CE (n° 1164). Opérateur de recherche du Ministère de l'Éducation Nationale, de l'Enseignement Supérieur et de la Recherche, les travaux de R&D éligibles peuvent bénéficier du CIR.