



Biocleaning & hygiene



BIO-TABS™
WATER-SAVING URINAL SYSTEM
ISO 9001:2008 & ISO 14001:2004 Certified

NO FLUSHING REQUIRED
This urinal is maintained
by eco-friendly
biotechnological system

BIOLOGICAL SOLUTIONS
THAT PROTECT THE ENVIRONMENT
FOR CONSUMER INFORMATION:
www.calfarme.com



BioTabs™



Save Water, No-Flush and
No-Malodor



NEW!

BioClean™

3,150 flushes, Refillable,
Automatic WC Toilet Deodorizer



BlueFlush™

Blue Flush Automatic
WC Toilet Cleaner & Deodorizer



BioFlush™

Clip-on Toilet Bowl Deodorizer
& Drain System Maintainer



ISO 9001:2008 & ISO 14001:2004 Certified

GO GREEN WITH WATERLESS BIO-TABS

Save Water, No-Flush and No-Malodor.



BIO-TABS are eco-friendly, hygienic, cost saving and no need to flush with water - save money and protect the environment.

ENVIRONMENTALLY FRIENDLY BIO-ENZYMATIC ACTION:

BIO-TABS is formulated to dissolve slowly, releasing the BIOLOGICALLY ACTIVE ingredients and a refreshing scent, which helps to maintain a clean, fresh-smelling & clog-free urinal. *Problem-causing ammoniacal compounds in urine are completely and efficiently broken down by Urease, one of the enzymes produced by BIO-TABS.*

NO CAPITAL OUTLAY:

No replacement and maintenance for battery/sensor automatic flushing. No need to install water-free urinal also saves the trouble of replacing new cartridge or sealant liquid after every 15,000 users, and no plumbing works and re-tiling woes. *Simply convert the existing conventional flushing urinal into waterless urinal system by shutting off the water without flush at no cost.*

CLEAN & PLEASANT SMELLING:

BIO-TABS perform as toilet deodorizer & drain maintainer, savings on installation for air fresheners, sanitizers and chemical products.

Example: 5 urinals with Waterless BIO-TABS is like having 5 units air fresheners and sanitizers.

NO POLLUTING CHEMICALS:

BIO-TABS and BIO-PLUS use bio-enzymatic cleaning action that speedily solve a wide range of problems caused by organic waste. The natural process results in cleaner, fresh-smelling toilet and free-flowing drain lines. It also reduces dramatically the pollutant load of toilet effluents that are ultimately discharged to the environment's waterway.

Eliminates the use of chemical products like toilet cleaners, disinfectants, floor cleaners and air fresheners thus resulting in cost savings.

COST-EFFECTIVE:

Each BIO-TABS is good for 20,000 users/cycles without flush, which last at least 2 to 3 months for most usages.

The volume of water saved from not having to flush will far exceed the cost of Waterless BIO-TABS Urinal Deodorizer and BIO-PLUS Waterless Urinal Cleaner/Drain Maintainer.

BIO-TABS - Saves precious water immediately, shut out water and extends the usage of BIO-TABS

USAGE	AVERAGE URINE VOLUME/USER	VOLUME OF WATER/FLUSH	TOTAL URINE/WATER	MINIMUM USERS/CYCLES
1	NONE	500ml	500ml	20,000 cycles(Tested)
2	500ml	500ml	1,000ml	10,000 users
3	500ml	2,000ml	2,500ml	4,000 users
4.	500ml	3,500ml	4,000ml	2,500 users

TEST REPORT:

A BIO-TABS sample was placed in a urinal with a flush valve at normal condition, the flush valve was activated at a pre-determined time interval of 15 seconds and the flow volume was controlled at 500ml water per flush.

Conclusion of test result for BIO-TABS: 20,980 cycles (BIO-TABS Test Report available on request)

WATER SAVINGS WITH USING BIO-TABS OR WITHOUT BIO-TABS FOR 20,000 USERS:

Number of Urinals	Water Saving Per Flush if 2 litres	Water Saving Per Flush if 3.5 litres	Water Saving Per Flush if 4 litres	Remarks
1 unit	40 Tons	70 Tons	80 Tons	WATER SAVINGS !
2 units	80 Tons	140 Tons	160 Tons	WATER SAVINGS !
3 units	120 Tons	210 Tons	240 Tons	WATER SAVINGS !
4 units	160 Tons	280 Tons	320 Tons	WATER SAVINGS !

Each BIO-TABS could derive Water Saving ranging from 40 Tons to 80 Tons

Based on the Cost of Water @ US\$2.00 per ton (1m³/cubic meter or 1,000 litres)

Savings ranges from US\$80.00 to US\$160.00 per urinal (excluding drainage/sewerage charges)

*Cost of CALFARME BIO-TABS is only **US\$15.00 each***

WORLD WATER PRICES: <http://www.globalwaterintel.com/archive/9/9/analysis/world-water-prices-rise-by-67.html>

EASY INSTALLATION, CLEANING & MAINTENANCE PROCEDURES:

Both BIO-TABS with BIO-PLUS are also complementary to be used for all type of WATER FREE URINAL BOWLS.

EASY INSTALLATION - Simply place the bottom end of the BIO-TABS against the centre of urinal drain. NOTE: Start with a clean urinal bowl and free from drain chokages.

FOR AUTOMATIC SENSOR AND MANUAL FLUSHING URINALS - Shut out water connecting to the urinal that will save water up to 100%.

DAILY MAINTENANCE – Spray BIO-PLUS Waterless Urinal Cleaner/Odor Eliminator (ready-to-use) on urinal surface, BIO-TABS and floor area underneath the urinals at least once to twice daily and before or after each cleaning. (For refill: Dilute 1 part BIO-PLUS Concentrate to 10 parts water/50ml sachet to 500ml water in a bottle sprayer)

FOR SLOW-FLOWING URINAL: Pour one 50 ml sachet with minimum 1 litre preferably warm water directly into urinal drain pipe and leave overnight.

DIRECTION OF USE & DAILY ROUTINE MAINTENANCE:

Please refer to our BIO-TABS brochure and BIO-PLUS Waterless Urinal Cleaner product directions or procedures.

For BIO-PLUS Application, logon:

<http://calfarme.com.sg/bioplusaction.htm>



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WATER-SAVING URINAL SYSTEM
ISO 9001:2000 & ISO 14001:2004 Certified

NO FLUSHING REQUIRED

This urinal is maintained
by eco-friendly
biotechnological system

*BIOLOGICAL SOLUTIONS
THAT PROTECT THE ENVIRONMENT*
BY CALFARME(SINGAPORE)PTE LTD

FOR CONSUMER INFORMATION:
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DO NOT LITTER THE URINAL

*BIOLOGICAL SOLUTIONS
THAT PROTECT THE ENVIRONMENT*
BY CALFARME(SINGAPORE)PTE LTD

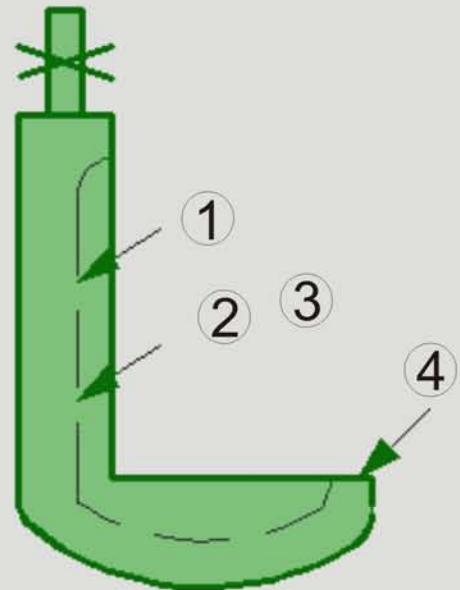
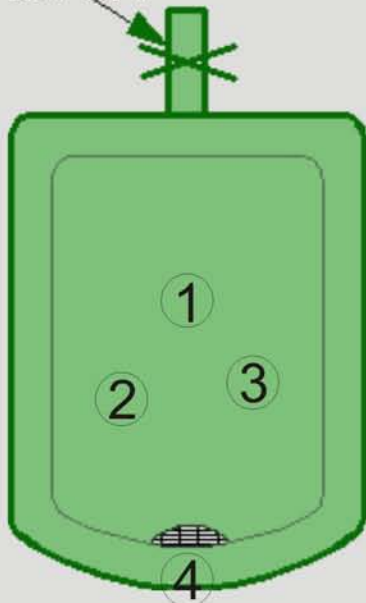
FOR CONSUMER INFORMATION:
www.calfarme.com

LOCATIONS BE SPRAYED WITH BIO-PLUS®

Front View

Side View

WATER SUPPLY
TO SHUT OFF



Floor

Floor



SPRAY BIO-PLUS® AT CIRCLED AREAS

Test Report No. 719170270-MEC10-LNB
dated 08 March 2010



PSB Singapore

Note: This report is issued subject to TUV SUD PSB's "Terms and Conditions Governing Technical Services".
The terms and conditions governing the issue of this report are set out as attached within this report.

Choose certainty.
Add value.

SUBJECT:

Testing on Waterless Urinal Maintainer

TESTED FOR:

Calfarme (Singapore) Pte Ltd
20 Ang Mo Kio Industrial Park 2A
#06-18
Singapore 567761
Attn : Mr Delvin Ooi

TEST METHOD:

As requested by the client, the following were carried out.

1. The test sample was placed in a urinal with a flush valve under normal condition.
2. The flush valve was activated at a pre-determined time interval of 15 seconds and the flow volume was controlled at 500 ml.
3. The test will run continuously and stop when the sample has dissolved, as agreed with the client. The number of cycles was then noted.

SAMPLE DESCRIPTION:

A waterless urinal maintainer was received on 22/2/2010

Product Name : BIOTABS WATERLESS URINAL DEODORIZER/DRAIN MAINTAINER



Laboratory:
TUV SUD PSB Pte. Ltd.
Testing Services
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
E-mail: testing@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg : 199002667R

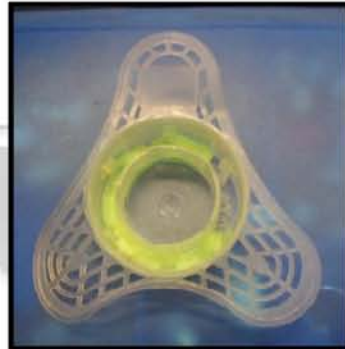
Regional Head Office:
TUV SUD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
The Franklin, Singapore 118223
TUV®

TEST RESULTS:

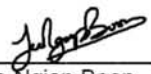
The condition of sample after 20,980 cycles of flushing



Top View of Sample after the Test



Bottom View of Sample after the Test



Lee Ngiap Boon
Associate Engineer



Chua Peck Cheong
Product Manager
Automotive & Industrial Group
Mechanical Centre

TEST REPORT: 719174811-CHM10-01A-EKH

Date: 11 JUN 2010

Tel: +65 68851335 Fax: +65 67784301

Client's Ref: -

Email: Sihai.LI@tuv-sud-psb.sg

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PSB Singapore

Choose certainty.
Add value.

SUBJECT

Analysis of Liquid Cleaner

CLIENT

Calfarme (Singapore) Pte Ltd
20 Ang Mo Kio Industrial Park 2A
Singapore 567761

Attn: Mr. Delvin Ooi

SAMPLE SUBMISSION DATE

22 Apr 2010

DESCRIPTION OF SAMPLE

One bottle of 5 litres Liquid Cleaner was received.

Sample Reference: BioPlus
Multi-purpose Biological Cleaner and Deodoriser

METHOD OF TEST

- 1 Detergent Analysis
A Handbook for Cost Effective Quality Control.
- 2 BS 3762 : 1990
Analysis of Formulated Detergents.



TÜV SÜD PSB

Laboratory:
TÜV SÜD PSB Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
E-mail: testing@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
The Franklin, Singapore 118223
TÜV®

RESULTS

(I)

Qualifying Criteria Detergents only (Part II)	BioPlus Multi-purpose Biological Cleaner and Deodoriser	Singapore GreenLabel Criteria
Phosphate as P ₂ O ₅ , % m/m	Less than 0.01	5% max
Chemical Dye, % m/m	Not detected	0.05% max
pH value at 25°C (1% m/m solution)	8.0	11 max

(II)

Qualifying Criteria Detergents only (Part III)	BioPlus Multi-purpose Biological Cleaner and Deodoriser	Singapore GreenLabel Criteria
Phosphonate	Not Detected	Not Detected
APEO (Alkylphenol ethoxylate)	Not Detected	Not Detected
EDTA (Ethylene diamine tetra acetic acid)	Not Detected	Not Detected
NTA (Nitrilotriacetic acid)	Not Detected	Not Detected
Halogenated Hydrocarbon	Not Detected	Not Detected
Formalin	Not Detected	Not Detected



LEE SOON BENG
TECHNICAL EXECUTIVE



for DR LI SIHAI
AVP / SENIOR CHEMIST
COATINGS & INDUSTRIAL CHEMICALS
CHEMICAL & MATERIALS