



CONSOLIDATED LABORATORY (M) SDN. BHD.



No. 2-3, Bedford Business Park, Jalan 3/137B, Batu 5, Jalan Kelang Lama, 58000 Kuala Lumpur.
Tel: 603-7981 0978 (Hunting Line) Fax: 603-7981 0763
E-mail: consolab@tm.net.my http://www.consolab.com

Industrial Consultant & Microbiological Testings,
Chemical Analysis of
Palm Oil & Other Vegetable Oil
Pesticides
Water Effluents
Petroleum & Petroleum Products
Frozen Food & Foodstuffs Etc.

LAB NO : CL/M55516/2005

DATE OF REPORT : 9th May 2005

CERTIFICATE OF ANALYSIS

CLIENT : RUMBIA BIO-TECH SDN BHD
NO.11, 1ST FLR,
RAMINWAY,
96000 SIBU,
SARAWAK.

SAMPLE DESCRIPTION : ONE (1) SAMPLE OF SAGO HYDROGEL

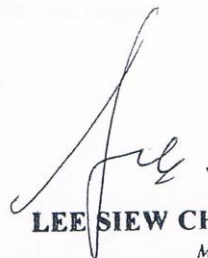
RECEIVED DATE : 26th April 2005

SAMPLE MARKING : BN03
MFG: 230405
EXP: 220407

TEST PARAMETER	UNIT	TEST METHOD	SPECIFICATION	RESULT
Total Bacterial Count @37°C for 48 hours	cfu/g	AS 1766.1.3, 1991	-	<10
Mould	cfu/g	AS 1766.2.2	-	Absent
Yeast	cfu/g	AS 1766.2.2	-	Absent

Remarks

- 1) AS - Australian Standard


LEE SIEW CHAN B.Sc
Microbiologist
CONSOLIDATED LABORATORY (M) SDN. BHD.
(84175-H)



CONSOLIDATED LABORATORY (M) SDN. BHD.



No. 2-3, Bedford Business Park, Jalan 3/137B, Batu 5, Jalan Kelang Lama, 58000 Kuala Lumpur.
Tel: 603-7981 0978 (Hunting Line) Fax: 603-7981 0763
E-mail: consolab@tm.net.my http://www.consolab.com

实验报告编号: CL/M55516/2005

报告日期: 2005.5.9

实验分析

客户信息: 伦比亚生物科技有限公司

地址: NO.11, 1ST FLR, RAMINWAY, 96000 SIBU, SARAWAK

样品描述: 一片西米水凝胶样品

接样日期: 2005.4.26

样品标记: 批号: BN03

生产日期: 2005 年 4 月 23 日

有效日期: 2007 年 4 月 22 日

实验参数	单位	试验方法	规格	结果
细菌总数 (37°C, 培养 48h)	cfu/g	AS1766.1.3, 1991	-	<10
霉菌	cfu/g	AS1766.2.2	-	未检出
酵母菌	cfu/g	AS1766.2.2	-	未检出

备注: AS-澳大利亚标准



CONSOLIDATED LABORATORY (M) SDN. BHD.

No. 2-3, Bedford Business Park, Jalan 3/137B, Batu 5, Jalan Kelang Lama, 58000 Kuala Lumpur.
Tel: 603-7981 0978 (Hunting Line) Fax: 603-7981 0763
E-mail: consolab@tm.net.my http://www.consolab.com

Industrial Consultant & Microbiological Testings,
Chemical Analysis of
Palm Oil & Other Vegetable Oil
Pesticides
Water Effluents
Petroleum & Petroleum Products
Frozen Food & Foodstuffs Etc.

LAB NO : CL/M55517-55518/2005

DATE OF REPORT : 6th June 2005

CERTIFICATE OF ANALYSIS

CLIENT : RUMBIA BIO-TECH SDN BHD
NO.11, 1ST FLR,
RAMINWAY,
96000 SIBU,
SARAWAK.

SAMPLE DESCRIPTION : ONE (1) SAMPLE OF SAGO HYDROGEL FOR BACTERIA REMOVAL EFFICIENCY TESTING
RECEIVED DATE : 26th April 2005
SAMPLE MARKING : 1) CONTROL (SURFACE)
2) SURFACE (AFTER 1 HOUR WITH APPLICATION OF MASK)

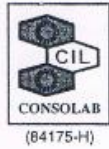
TEST PARAMETER	UNIT	TEST METHOD	SPECIFICATION	RESULT	
				1	2
Total Bacterial Count @37°C for 48 hours	cfu/100cm ²	In-House Method	-	1.2 x 10 ⁷	<10
Mould	cfu/100cm ²	In-House Method	-	130	Absent
Yeast	cfu/100cm ²	In-House Method	-	1.7 x 10 ³	Absent

Remark:

One (1) sample of Sago Hydrogel was submitted for bacteria removal efficiency testing. A cultured bacteria solution was prepared and introduced on 2 surfaces which are approximately 10 cm x 10 cm in area. One of the surface was swabbed and used as control. The other surface was applied with Mask and left for one hour before the surface was swabbed for testing. Based on the results obtained, the Sago Hydrogel was found to be effective to remove the bacteria and fungus.


LEE SIEW CHAN B.Sc
Microbiologist

CONSOLIDATED LABORATORY (M) SDN. BHD.
(84175-H)



CONSOLIDATED LABORATORY (M) SDN. BHD.

No. 2-3, Bedford Business Park, Jalan 3/137B, Batu 5, Jalan Kelang Lama, 58000 Kuala Lumpur.
Tel: 603-7981 0978 (Hotline Line) Fax: 603-7981 0763
E-mail: consolab@tm.net.my http://www.consolab.com

实验报告编号: CL/M55517-55518/2005

报告日期: 2005.6.6

实验分析

客户信息: 伦比亚生物科技有限公司

地址: NO.11, 1ST FLR, RAMINWAY, 96000 SIBU, SARAWAK

样品描述: 一片西米水凝胶样品用于细菌吸附的有效性的实验

接样日期: 2005.4.26

样品跟踪: 1) 对照组 (平皿)

2) 平皿 (使用了一个小时之后的水凝胶面膜)

实验参数	单位	试验方法	规格	结果	
				1	2
细菌总数 (37°C, 培养 48h)	cfu/g	内部方法	-	1.2×10^7	<10
霉菌	cfu/g	内部方法	-	130	未检出
酵母菌	cfu/g	内部方法	-	1.7×10^3	未检出

备注: 一片西米水凝胶样品用来做细菌吸附的有效性的实验。将已经准备好的人工培养的细菌接种到两个 10×10cm 的 2 块平皿的表面。其中一个平皿的表面用棉拭子擦拭作为对照组。另外一个的表面在擦拭之前用水凝胶面膜粘贴, 保持时间为 1 小时。基于获得的实验结果, 该西米水凝胶可以有效的吸附细菌和霉菌。



CONSOLIDATED LABORATORY (M) SDN. BHD.



No. 2-3, Bedford Business Park, Jalan 3/137B, Batu 5, Jalan Kelang Lama, 58000 Kuala Lumpur.
Tel: 603-7981 0978 (Hunting Line) Fax: 603-7981 0763
E-mail: consolab@tm.net.my http://www.consolab.com

Industrial Consultant & Microbiological Testings,
Chemical Analysis of
Palm Oil & Other Vegetable Oil
Pesticides
Water Effluents
Petroleum & Petroleum Products
Frozen Food & Foodstuffs Etc.

LAB NO : CL/M55519/2005

DATE OF REPORT : 6th June 2005

CERTIFICATE OF ANALYSIS

CLIENT : RUMBIA BIO-TECH SDN BHD
NO.11, 1ST FLR,
RAMINWAY,
96000 SIBU,
SARAWAK.

SAMPLE DESCRIPTION : ONE (1) SAMPLE OF SAGO HYDROGEL FOR BACTERIA REMOVAL
EFFICIENCY TESTING

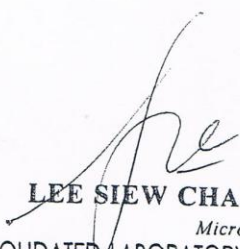
RECEIVED DATE : 26th April 2005

SAMPLE MARKING : USED MASK (AFTER 1 HOUR)

TEST PARAMETER	UNIT	TEST METHOD	SPECIFICATION	RESULT
Total Bacterial Count @37°C for 48 hours	cfu/g	AS 1766.1.3, 1991	-	3.2 x 10 ⁶
Mould	cfu/g	AS 1766.2.2	-	Absent
Yeast	cfu/g	AS 1766.2.2	-	260

Remark:

- 1) Australian Standard
- 2) One (1) sample of Sago Hydrogel was submitted for bacteria removal efficiency testing. A cultured bacteria solution was prepared and introduced on 2 surfaces which are approximately 10 cm x 10 cm in area. One of the surface was swabbed and used as control. The other surface was applied with Mask and left for one hour. The used mask was then tested for bacterial count and Fungus.


LEE SIEW CHAN B.Sc
Microbiologist
CONSOLIDATED LABORATORY (M) SDN. BHD.
(84175-H)

LSL/i

Page 1 of 1



CONSOLIDATED LABORATORY (M) SDN. BHD.



No. 2-3, Bedford Business Park, Jalan 3/137B, Batu 5, Jalan Kelang Lama, 58000 Kuala Lumpur.
Tel: 603-7981 0978 (Hunting Line) Fax: 603-7981 0763
E-mail: consolab@tm.net.my http://www.consolab.com

实验报告编号: CL/M55519/2005

报告日期: 2005.6.6

实验分析

客户信息: 伦比亚生物科技有限公司

地址: NO.11, 1ST FLR, RAMINWAY, 96000 SIBU, SARAWAK

样品描述: 一片西米水凝胶样品用于细菌吸附的有效性的实验

接样日期: 2005.4.26

样品跟踪: 使用过的水凝胶面膜 (使用一个小时之后)

实验参数	单位	试验方法	规格	结果
细菌总数 (37°C, 培养 48h)	cfu/g	AS1766.1.3, 1991	-	3.2×10^6
霉菌	cfu/g	AS1766.2.2	-	未检出
酵母菌	cfu/g	AS1766.2.2	-	260

备注:

- 1) AS 为澳大利亚标准;
- 2) 一片西米水凝胶样品用来做细菌吸附的有效性的实验。将已经准备好的人工培养的细菌接种到两个 10×10cm 的 2 块平皿的表面。其中一个平皿的表面用棉拭子擦拭作为对照组。另外一个的表面用水凝胶面膜粘贴, 保持时间为 1 小时。已经使用的水凝胶再用于检测细菌总数和霉菌。