

ASP**ADVANCED SAFETY PRODUCT
ASP TECHNOLOGY CORP**

11F, No. 423, Chung Ho Road, Yung Ho City, Taipei Hsien, Taiwan.
TEL: 886-2-29241001, FAX: 886-2-29278639, E-mail: asp.link@msa.hinet.net, asp.kcw@msa.hinet.net

VERIFICATION OF CONFORMITY**We Hereby Certify that**

ASP Reference:4090210

The following mentioned Products have been test in typical configuration by ASP.

Product Type:

OZONE CLEANER

Module Name:

OH-6800

Applicant:

**CASHIDO CORPORATION
4 F., NO. 17, KUANFU N. ROAD,
HSIN CHU INDUSTRIAL PARK, TAIWAN 303 R.O.C.**

Is in compliance to the European Council Directive 73/23/EEC.

This is to certify on the basis of the tests undertaken. The submitted samples of the above item is considered to comply with:

EN 60335-1: 2002

Based on the description of the LVD (73/23/EEC) directive, manufacturer or his authorized representative within EC shall affix the CE marking to the products if he ensure the products complies with the relevant standards and draw s up a declaration of conformity.

Signed for and on behalf of ASP Technology Corp.

Kevin Ku/ Manager.
ASP Technology Corp.



January 05, 2005
Date.

The technical report issued by ASP will support you affix the CE marking.



LABORATORY 實驗室: S. D. Tsen Lab. Institute of Microbiology & Immunology, NYMU	DATE 日期: 2005/03/30																																	
PROJECT NAME OR COMPOUND NAME 計畫或化合物名稱: Model OH-6800	PROJECT CODE 計畫編號: 940023																																	
INVESTIGATOR(S) 研究人員: Dr. Suh-Der Tsen, Jun-Yi Chien	NOTE 備註:																																	
TITLE 標題: The elimination rate of bacteria using OH-6800 for hand wash																																		
ABSTRACT 摘要: The product, OH-6800, was provided by Cashido Corporation to test the elimination rate of bacteria for hand wash. Tested bacteria were: E.coli, Staphylococcus aureus, Salmonella typhimurium, Klebsiella pneumoniae and Acinetobacter baumannii. Test Methods: <ol style="list-style-type: none"> 1. Coating high concentration of bacteria liquid on hands. 2. Using ozonized water to start processing the hand wash. Washing Time: 10 seconds / 20 seconds / 30 seconds. 3. Calculate the amount of bacteria left on hands after the wash. Test Results: <table border="1" data-bbox="158 1108 1184 1399"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">Original Amount of Bacteria</th> <th colspan="3">Elimination Rate of Bacteria(%)</th> </tr> <tr> <th>10 seconds</th> <th>20 seconds</th> <th>30 seconds</th> </tr> </thead> <tbody> <tr> <td>E.coli</td> <td>10⁶</td> <td>99.87</td> <td>99.98</td> <td>99.99</td> </tr> <tr> <td>Staphylococcus aureus</td> <td>10⁶</td> <td>99.96</td> <td>99.98</td> <td>99.99</td> </tr> <tr> <td>Salmonella typhimurium</td> <td>10⁶</td> <td>99.86</td> <td>99.91</td> <td>99.96</td> </tr> <tr> <td>Klebsiella pneumoniae</td> <td>10⁶</td> <td>99.82</td> <td>99.87</td> <td>99.99</td> </tr> <tr> <td>Acinetobacter baumannii</td> <td>10⁶</td> <td>99.97</td> <td>99.98</td> <td>99.99</td> </tr> </tbody> </table>			Original Amount of Bacteria	Elimination Rate of Bacteria(%)			10 seconds	20 seconds	30 seconds	E.coli	10 ⁶	99.87	99.98	99.99	Staphylococcus aureus	10 ⁶	99.96	99.98	99.99	Salmonella typhimurium	10 ⁶	99.86	99.91	99.96	Klebsiella pneumoniae	10 ⁶	99.82	99.87	99.99	Acinetobacter baumannii	10 ⁶	99.97	99.98	99.99
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KEYWORDS 關鍵字: ozonized water	CLIENT 實驗委託者: Cashido Corporation																																	
APPROVED BY 計畫主持人確認: (Please Sign 請簽名) Suh-Der Tsen, Ph.D. <div style="text-align: right; margin-top: 10px;">  April 8, 2005 </div>																																		

Test Report

TEST REPORT NO: UF/2004/B0022C

Date: Mar. 22, 2005

Page: 1 of 1

CASHIDO CORPORATION

4F, NO. 17, KUANFU N. ROAD, HSIN CHU INDUSTRIAL PARK, TAIWAN 303 R. O. C.

The following product and pesticides were submitted by/on behalf of client as below and confirmed by SGS:

Model of Product: OH-6800, superoanion concentration 150 mg/hr
Date of Sample Received: Nov. 22, 2004
Date of Testing: Dec. 01, 2004
Location of Testing: SGS Taiwan

Test Requested: Determination of the pesticides residues of submitted sample.

Test Method: Pretreatment:
 (Vegetables prepared by SGS)
 1. Dilute the Cypermethrin, Mevinphos and Cabaryl to 1/1500, 1/20 and 1/30 respectively.
 2. Add 1.7 ml Cypermethrin, 12.75 ml Mevinphos and 3.00 g Cabaryl to 2550 ml D. I. Water in 5L beaker. Stir with a glass bar until Cabaryl powder dissolved.
 3. Put the vegetables into the pesticides solution for 1 minute and stir.
 4. Take the vegetables out, dry in the air for 30 minutes.
 5. Control group: take the 50 g vegetable to analyze.
 6. Experimental group: take the 50 g vegetable, wash and rub about 10 seconds for each leaf by the superoanion water, then dry in the air for 30 minutes.

Note:

- the superoanion machine operation parameters: the superoanion meter at level 5(150 mg/hr), the water meter at level 4.
- the submitted pesticides are often used on vegetables:
 organochlorine pesticide – Cypermethrin
 organophosphorus pesticide – Mevinphos
 N-methyl carbamate pesticide – Cabaryl

With reference to CNS 13570-2, Analysis was performed by GC/ECD, GC/FPD and HPLC/FLD.

Test Results:

Determination of the pesticides residues (Cypermethrin, Mevinphos and Cabaryl) of submitted sample

Compounds	Control Group	Experimental Group	Removed Rate %
Cypermethrin	1.60	0.439	72.5
Mevinphos	33.6	16.3	51.4
Cabaryl	26.5	6.28	76.3

End of the Report

Signed on behalf of
SGS Taiwan Ltd.



食品工業發展研究所

Food Industry Research and Development Institute



P. O. BOX 246, HSINCHU, 30099 TAIWAN
REPUBLIC OF CHINA
CABLE ADDRESS: "FOODEVELOP" TEL: (03) 5223191-6

新竹市食品路 331 號
郵政信箱 246 號
電話: (03)5223191-6

委託試驗報告

TEST REPORT

委託者: Cashido Corp.

Applicant _____

取樣者: Eric Chen

Sampler _____

物品名稱: Cashido Ozone Cleaner

Name of Article _____

報告書號碼: 92CT439

Report No. _____

收件日期: 10/15/2003

Date Received _____

簽發日期: 12/05/2003

Date Issued _____

試驗項目 (Items)

結果 (Results)

The total plate counts of *Proteus vulgaris* BCRC 12153, *Pseudomonas aeruginosa* BCRC11633, *Klebsiella pneumoniae* BCRC 16082, and *Salmonella choleraesuis* BCRC10744 after treated with the gas that was generated by Cashido Ozone Cleaner for 10 seconds.

The total plate counts of *P. vulgaris*, *P. aeruginosa*, *K. pneumoniae*, and *S. choleraesuis* before and after treated with the gas that was generated by Cashido Ozone Cleaner for 10 seconds

Test strain	Cells (CFU/mL) before the treatment	Cells (CFU/mL) after the treatment
<i>P. vulgaris</i> BCRC12153	1.4×10^5	<10
<i>P. aeruginosa</i> BCRC11633	2.7×10^5	<10
<i>K. pneumoniae</i> BCRC16082	3.1×10^5	<10
<i>S. choleraesuis</i> BCRC10744	5.3×10^5	<10

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簽發者

Authorized Representative: _____

備註

Note:

1. 本分析結果，僅對委託者所送樣品負責。

The results in this report are valid only to the sample sent by the applicant.

2. 委託者所送樣品是否適用於人體(接觸、吸入、食用等)，非本試驗之範圍。

Whether the sample sent by the applicant can be applied to human in any way (contact, inhalation, ingestion, etc.) is beyond the scope of this test.

3. 本報告所載事項，僅作參考資料，不得作為廣告、公證或商業推銷之用。

The contents of this report are for reference only. Do not use these for advertising, sales promotion, or notarial purposes.

T-CS-011-B

The Total Plate Counts of *Proteus vulgaris* BCRC12153, *Pseudomonas areuginosa* BCRC11633, *Klebsiella pneumoniae* BCRC16082, and *Salmonella choleraesuis* BCRC10744 After the Treatment of Cashido Ozone Cleaner

I. Abstract

This test was consigned by Cashido Corp. for the total plate counts of *Proteus vulgaris* BCRC12153, *Pseudomonas areuginosa* BCRC11633, *Klebsiella pneumoniae* BCRC16082, and *Salmonella choleraesuis* BCRC10744 after treated with the gas which was generated by Cashido Ozone Cleaner for 10 seconds.

Results showed that before the treatment, the total plate counts of *Proteus vulgaris* BCRC12153, *Pseudomonas areuginosa* BCRC11633, *Klebsiella pneumoniae* BCRC16082, and *Salmonella choleraesuis* BCRC10744 were 1.4×10^5 CFU/mL, 2.7×10^5 CFU/mL, 3.1×10^5 CFU/mL, and 5.3×10^5 CFU/mL, respectively. After treated with the gas which was generated by Cashido Ozone Cleaner for 10 seconds, the total plate counts of *Proteus vulgaris* BCRC12153, *Pseudomonas areuginosa* BCRC11633, *Klebsiella pneumoniae* BCRC16082, and *Salmonella choleraesuis* BCRC10744 were all less than 10CFU/mL.

(CFU: Colony Forming Unit)

II. Background

Test No.: 92CT439

Sample: Cashido Ozone Cleaner

III. Results

Results showed that before the treatment, the total plate counts of *Proteus vulgaris* BCRC12153, *Pseudomonas areuginosa* BCRC11633, *Klebsiella pneumoniae* BCRC16082, and *Salmonella choleraesuis* BCRC10744 were 1.4×10^5 CFU/mL, 2.7×10^5 CFU/mL, 3.1×10^5 CFU/mL, and 5.3×10^5 CFU/mL, respectively. After treated with the gas which was generated by Cashido Ozone Cleaner for 10 seconds, the total plate counts of *Proteus vulgaris* BCRC12153, *Pseudomonas areuginosa* BCRC11633, *Klebsiella pneumoniae* BCRC16082, and *Salmonella choleraesuis* BCRC10744 were all less than 10CFU/mL.



Table 1. The total plate counts of *Proteus vulgaris* BCRC12153, *Pseudomonas aeruginosa* BCRC11633, *Klebsiella pneumoniae* BCRC16082, and *Salmonella choleraesuis* BCRC10744 before and after treated with the gas that was generated by Cashido Ozone Cleaner for 10 seconds

Test strain	Cells (CFU/mL) before the treatment	Cells (CFU/mL) after the treatment
<i>Proteus vulgaris</i> BCRC12153	1.4×10^5	<10
<i>Pseudomonas aeruginosa</i> BCRC11633	2.7×10^5	<10
<i>Klebsiella pneumoniae</i> BCRC16082	3.1×10^5	<10
<i>Salmonella choleraesuis</i> BCRC10744	5.3×10^5	<10



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郵政信箱 246 號
電話: (03)5223191-6

委託試驗報告

TEST REPORT

委託者: WeTek Corp.

Applicant

取樣者: Eric Chen

Sampler

物品名稱: Cashido O₃ Cleaner

Name of Article:

報告書號碼: 92CT341

Report No.

收件日期: 8/13/2003

Date Received

簽發日期: 8/25/2003

Date Issued

試驗項目
(Items)

結果
(Results)

The inhibition of "Cashido O₃ Cleaner" on *Staphylococcus aureus* BCRC 10451 and *Escherichia coli* BCRC 11634.

The cells of *Staphylococcus aureus* BCRC 10451 were decreased from 7.1×10^5 CFU/mL to less than 10 CFU/mL and the cells of *Escherichia coli* BCRC 11634 were decreased from 2.6×10^5 CFU/mL to less than 10 CFU/mL after incubation with the sample (gas) that generated by "Cashido O₃ Cleaner" for either 20 seconds or one minute.

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簽發者

Authorized Representative:



備註

Note:

1. 本分析結果，僅對委託者所送樣品負責。

The results in this report are valid only to the sample sent by the applicant.

2. 委託者所送樣品是否適用於人體(接觸、吸入、食用等)，非本試驗之範圍。

Whether the sample sent by the applicant can be applied to human in any way (contact, inhalation, ingestion, etc.) is beyond the scope of this test.

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T-CS-011-B

The Inhibition Test of "Cashido O₃ Cleaner" on *Staphylococcus aureus* BCRC 10451 and *Escherichia coli* BCRC 11634

I. Abstract

This test was consigned by WeTek Corp. for the inhibition of "Cashido O₃ Cleaner" on *Staphylococcus aureus* BCRC 10451 and *Escherichia coli* BCRC 11634.

Results showed that the cells of *Staphylococcus aureus* BCRC 10451 were decreased from 7.1×10^5 CFU/mL to less than 10 CFU/mL after incubation with the sample (gas) that generated by "Cashido O₃ Cleaner" for either 20 seconds or one minute.

The cells of *Escherichia coli* BCRC 11634 were decreased from 2.6×10^5 CFU/mL to less than 10 CFU/mL after incubation with the sample (gas) that generated by "Cashido O₃ Cleaner" for either 20 seconds or one minute.

II. Background

Test No.: 92CT341

Sample: Cashido O₃ Cleaner

III. Result

Table 1 shows the cells of *Staphylococcus aureus* BCRC 10451 were decreased from 7.1×10^5 CFU/mL to less than 10 CFU/mL after incubation with the sample (gas) that generated by "Cashido O₃ Cleaner" for either 20 seconds or one minute. The cells of *Escherichia coli* BCRC 11634 were decreased from 2.6×10^5 CFU/mL to less than 10 CFU/mL after incubation with the sample (gas) that generated by "Cashido O₃ Cleaner" for either 20 seconds or one minute.

Table 1. The decreasing of the cells of *Staphylococcus aureus* BCRC 10451 and *Escherichia coli* BCRC 11634 after incubation with the gas that generated by "Cashido O₃ Cleaner" for either 20 seconds or one minute

Test microorganism	Cells (CFU/mL) after incubation for 0 sec	Cells (CFU/mL) after incubation for 20 secs	Cells (CFU/mL) after incubation for 1 minute
<i>S. aureus</i> BCRC 10451	7.1×10^5	<10	<10
<i>E. coli</i> BCRC 11634	2.6×10^5	<10	<10

