

MicroBioTest

A Division of Microbac Laboratories, Inc. 105 Carpenter Drive Sterling, VA 20164

Volume ____

FINAL REPORT

AOAC GERMICIDAL SPRAY TEST
Staphylococcus aureus and Salmonella enterica

Test Agent SNIPER®

<u>Lot Numbers</u> 108-167-3, 108-171-2, 108-172-1

Test Organism
Staphylococcus aureus, ATCC 6538
Salmonella enterica, ATCC 10708

<u>Test Guidelines</u> EPA Guidelines 810.2200 (d)(1)(ii)

> <u>Author</u> Emily A. Winokurzew

Study Completion Date 11/30/12

Performing Laboratory
MICROBIOTEST
A Division of Microbac Laboratories, Inc.
105 Carpenter Drive
Sterling, Virginia 20164

<u>Laboratory Project Identification Number</u> 813-108

Protocol Identification Number 813.1.11.14.12

> Sponsor GER, Inc. P.O. Box 667 Carencro, LA 70507

> > Page 1 of 24

Final Report: AOAC Germicidal Spray Test

Project No. 813-108

Staphylococcus aureus and Salmonella enterica

STATEMENT OF NO DATA CONFIDENTIALITY

Title: AOAC Germicidal Spray Test - Staphylococcus aureus and Salmonella enterica

Performed by: MICROBIOTEST

A Division of Microbac Laboratories, Inc

105 Carpenter Drive Sterling, Virginia 20164

No claim of confidentiality is made for any information contained in this study on the basis of its falling within the scope of FIFRA sec. 10(d)(1)(A), (B) or (C).

Submitter signature:		Date:	
Typed Name of Signer:	8 		
Typed Name of Company:	GER, Inc.		

Project No. 813-108

COMPLIANCE STATEMENT

The following is a detailed description of all differences between the practices used in the study and those required by 40 CFR 160:

Information on the identity, strength, purity, stability, uniformity, and dose solution analysis of the test agent resides with the sponsor of the study.

Study Director signature: Emily	A. Wimps	Date: ///30/12
Typed Name:	Emily A. Winokurzew	
Typed Name of Laboratory:	MicroBioTest, a division o	f Microbac Laboratories, Inc.
Sponsor signature:		Date:
Typed Name of Signer:		
Typed Name of Company:	GER, Inc.	
		D. 1
Submitter signature:		Date:
Typed Name of Signer:		
Typed Name of Company:	GER. Inc.	

Staphylococcus aureus and Salmonella enterica

QUALITY ASSURANCE UNIT STATEMENT

Title of Study: AOAC Germicidal Spray Test - Staphylococcus aureus and Salmonella enterica

The Quality Assurance Unit of MICROBIOTEST has inspected Project Number 813-108 in compliance with current Good Laboratory Practice regulations, (40 CFR § 160).

The dates that inspections were made and the dates that findings were reported to management and to the study director are listed below.

PHASE INSPECTED	DATE OF INSPECTION	DATE REPORTED TO STUDY DIRECTOR	DATE REPORTED TO MANAGEMENT
Protocol	11/20/12	11/20/12	11/20/12
In Process (Test)	11/20/12	11/20/12	11/20/12
Final Report	11/29/12	11/29/12	11/29/12

Nathan S. Jones, RQAP-GLP
Quality Assurance Unit

11/30/12_ Date

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Final Report: AOAC Germicidal Spray Test Staphylococcus aureus and Salmonella enterica Project No. 813-108

TEST SUMMARY

TITLE: AOAC Germicidal Spray Test - Staphylococcus aureus and Salmonella

enterica

STUDY DESIGN: This study was performed according to the signed protocol and

project sheets issued by the Study Director (See Appendix).

TEST MATERIALS SUPPLIED BY THE SPONSOR OF THE STUDY:

1. SNIPER®, Lot No. 108-167-3, received at MICROBIOTEST on 11/02/12, and assigned DS No. C848

- 2. SNIPER®, Lot No. 108-171-2 (≥ 60 days aged), received at MICROBIOTEST on 11/02/12, and assigned DS No. C849
- 3. SNIPER®, Lot No. 108-172-1, received at MICROBIOTEST on 11/02/12, and assigned DS No. C850

SPONSOR: GER, Inc.

P.O. Box 667

Carencro, LA 70507

TEST CONDITIONS

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CHAILE	er iche	111111111111111111111111111111111111111	rganisms:
0110110	90		

Staphylococcus aureus, ATCC 6538 Salmonella enterica, ATCC 10708

Active ingredient in test product:

Chlorine Dioxide

Neutralizer:

Letheen Broth containing 0.5% Sodium Thiosulfate

Contact time:

5 minutes

Contact temperature and relative humidity:

Ambient Room Temperature (21C); 35% RH

Organic load:

Heat-inactivated horse serum added to the inoculum to yield a 5% organic load.

Carrier inoculation/dry time:

A one inch square area of each carrier (glass microscope slides) was inoculated with 0.01 mL of the challenge microorganism and dried for 40 minutes at 36C and 29-30% RH.

Test agent application(s):

Inoculated carriers were sprayed until thoroughly wet from a distance of 6" - 8"

Dilution:

Ready to Use

Final Report: AOAC Germicidal Spray Test Staphylococcus aureus and Salmonella enterica

TEST CONDITIONS (continued)

Media and reagents:

Nutrient Broth
Letheen Broth containing 0.5% Sodium Thiosulfate
Letheen Broth
Phosphate Buffered Saline
Tryptic Soy Agar
Salmonella Shigella Agar
Mannitol Salt Agar
Gram Stain Reagents
Heat-inactivated horse serum

STUDY DATES AND FACILITIES

The laboratory phase of this test was performed at MICROBIOTEST, 105 Carpenter Drive, Sterling, VA 20164, from 11/20/12 to 11/23/12. The study director signed the protocol 11/20/12. On the day of test conduct on 11/20/12, the testing started at 10:50 am and ended at 12:15 pm. The study completion date is the date the study director signed the final report.

All changes or revisions of the protocol were documented, signed by the study director, dated and maintained with the protocol.

RECORDS TO BE MAINTAINED

All testing data, protocol, protocol modifications, test material records, the final report, and correspondence between MICROBIOTEST and the sponsor will be stored in the archives at MICROBIOTEST, 105 Carpenter Drive, Sterling, VA 20164, or at a controlled facility off site.

RESULTS

Results are presented in Tables 1 - 3. The challenge microorganisms were confirmed by colony morphology and Gram stain to be consistent with *Staphylococcus aureus* and *Salmonella enterica*. The sterility control exhibited no growth. The viability and neutralizer effectiveness controls exhibited growth. An evaluation for bacteriostasis was not applicable since growth was observed in the test.

RESULTS (continued)

Table 1
Test Results
Results Expressed as Number of Tubes Exhibiting Growth / Total Number of Tubes

Microorganism	Contact Time	Lot No. 108-167-3	Lot No. 108-171-2	Lot No. 108-172-1
S. aureus	5 Minutes	0/60	1/60	1/60
S. enterica	5 Minutes	0/60	0/60	1/60

Table 2

Neutralizer Effectiveness

Results Expressed as Growth (+) or No Growth (0) and

Average Colony Forming (CFU) per Tube

Microorganism	Lot No.			Tube F	Results	3		Confirmation
	LOT NO.	Rep	Rep	Rep	Rep	Rep	Rep	Count CFU/tube
		1	2	3	4	5	6	
	108-167-3	+	+	+	+	+	+	
S. aureus	108-171-2	+	+	+	+	+	+	14
	108-172-1	+	+	+	+	+	+	
	108-167-3	+	+	+	+	+	+	
S. enterica	108-171-2	+	+	+	+	+	+	11
	108-172-1	+	+	+	+	+	+	

RESULTS (continued)

Table 3
Carrier Counts
Results Expressed as Average Colony Forming Units (CFU) per Carrier

	Staphylococci	us aureus	•	Salmonella	
		Lot No	o. 108-167-3		
Rep.	CFU/Carrier	Avg. CFU/carrier	Rep.	CFU/Carrier	Avg. CFU/carrier
1	1.2 x 10 ⁶		1	3.5 x 10 ⁴	
2	1.4 x 10 ⁶	1.3 x 10 ⁶	2	6.9 x 10 ⁴	5.0 x 10 ⁴
3	1.3 x 10 ⁶		3	4.5 x 10 ⁴	
		Lot No	o. 108-17	′1-2	
Rep.	CFU/Carrier	Avg. CFU/carrier	Rep.	CFU/Carrier	Avg. CFU/carrier
1	1.3 x 10 ⁶		1	6.4 x 10 ⁴	
2	1.4 x 10 ⁶	1.4 x 10 ⁶	2	5.3 x 10 ⁴	6.1 x 10⁴
3	1.6 x 10 ⁶		3	6.6 x 10⁴	
	'	Lot No	o. 108-17	72-1	
Rep.	CFU/Carrier	Avg. CFU/carrier	Rep.	CFU/Carrier	Avg. CFU/carrier
1	1.2 x 10 ⁶		1	4.6 x 10 ⁴	
2	1.1 x 10 ⁶	1.2 x 10 ⁶	2	5.6 x 10 ⁴	4.9 x 10 ⁴
3	1.4 x 10 ⁶		3	4.6 x 10 ⁴	

CONCLUSIONS

According to the regulatory agency, the test agent passes the AOAC Germicidal Spray Test if no visible growth is observed in at least 59 out of 60 of the subculture broth tubes per lot per microorganism and the controls meet their stipulated criteria.

When tested as described, SNIPER® passed the AOAC Germicidal Spray Test when *Staphylococcus aureus* and *Salmonella enterica*, each containing a 5% organic load, was exposed to the test agent for 5 minutes at 21C. All of the controls met the criteria established for a valid test. These conclusions are based on observed data.

APPENDIX



IICRO8 TEST

A Division of Microbac Laboratories, Inc. 105-B Carpenter Drive Sterling, VA 20164

MICROBIOTEST PROTOCOL

AOAC GERMICIDAL SPRAY TEST Staphylococcus aureus and Salmonella enterica

Testing Facility
MICROBIOTEST
A Division of Microbac Laboratories, Inc.
105 Carpenter Drive
Sterling, VA 20164

Prepared for GER, Inc. P.O. Box 667 Carencro, LA 70507

November 14, 2012

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MICROBIOTEST Protocol: 813.1.11.14.12

MICROBIOTEST Project No.: 813 - 108

OBJECTIVE:

This test is designed to prove germicidal effectiveness label claims for products registered with the Environmental Protection Agency and Canada (if applicable) as spray germicides. It evaluates the effectiveness of sprays and pressurized spray products as spot disinfectants for contaminated surfaces. The test is based on the Official Methods of Analysis, Sixteenth edition, 2009, AOAC; is required by EPA Product Performance Guidelines (OCSPP 810.2000 and 810.2200).

TESTING CONDITIONS:

Sixty replicates will be evaluated using three lots of test agent, one of which is at least 60 days aged. Glass carriers inoculated with *Staphylococcus aureus* and *Salmonella enterica* will be sprayed for the specified times and distance directed by the sponsor or label instructions and transferred into individual tubes containing neutralizing recovery broth.

MATERIALS:

A. Test agents supplied by the sponsor: see last page.

The test agents are tested as supplied by the sponsor unless directed otherwise by written instructions. All operations performed on the test agents such as dilution or specialized storage conditions must be specified by the sponsor prior to initiation of testing.

The sponsor assures MICROBIOTEST, a Division of Microbac Laboratories, Inc. (MICROBIOTEST) testing facility management that the test agents have been appropriately tested for identity, strength, purity, stability, and uniformity as applicable

MICROBIOTEST will retain all unused test agents for a period of at least three months after completion of the test, then return them to the sponsor of the study or discard them in a manner that meets the approval of the safety officer of the laboratory.

- B. Materials supplied by MICROBIOTEST, including, but not limited to:
 - 1. Challenge microorganisms, required by the sponsor of the study:
 - a. Staphylococcus aureus, ATCC 6538
 - b. Salmonella enterica, ATCC 10708
 - 2 Media and reagents:
 - a. Nutrient Broth (NB)
 - b. Neutralizer: Recovery broth with required neutralizer(s)
 - c. Letheen Broth (LB)
 - d. Heat-inactivated horse serum (if required)
 - e. Phosphate Buffered Saline (PBS)
 - f. Tryptic Soy Agar (TSA)
 - g. Mannitol Salt Agar (MSA)
 - h. Salmonella Shigella Agar (SSA)
 - 3. Laboratory equipment and supplies, including glass microscope slides (1" x 3" with a 1" x 1" surface for contamination and treatment)

TEST SYSTEM IDENTIFICATION:

All test and control tube racks will be labeled with microorganism, test agent (if applicable) and project number prior to initiation of the study and during incubation. Petri dishes will be labeled with microorganism prior to initiation of the study and microorganism and project number during incubation.

EXPERIMENTAL DESIGN:

A. Inocula preparation:

Bacteria from stock cultures will be transferred into NB and incubated at 36±1C. Daily transfers will be made for at least three consecutive days (but no more than ten days). Tubes of ten mL NB will be inoculated with one loopful of inoculum per tube and incubated at 36±1C. After 48-54 hours, cultures will be used for contaminating the carriers. If requested by the sponsor, serum will be added to the cultures to achieve an organic load of 5%.

The inoculum will be agitated on a Vortex-type mixer for 3-4 seconds, then allowed to sit for ten minutes and decanted into a sterile flask.

A 0.01 mL (10 µL) aliquot of each culture will be transferred onto a one-square inch area on the sterile carriers (in Petri dishes) and immediately spread uniformly over the entire area with a sterile glass rod. Each dish will be covered promptly and the operation will be repeated for the rest of the carriers, for each microorganism. Carriers will be dried for 40±1 minutes at 36±1C. The humidity level of the incubator during the drying phase required for the inoculated carriers will be monitored and reported.

B. Carrier preparation:

The glass carriers will be sterilized by placing them in a Petri dish matted with filter paper, heating them in a hot air oven for two hours at 180C, cooling and storing them at room temperature until use.

C. Test agent preparation:

The test agent will be prepared and applied exactly as directed by the sponsor of the study.

D. Test:

Sixty carriers per lot will be sprayed for the time and distance directed by the sponsor or the label instructions. Each carrier will be held for the exposure time as specified by the sponsor; the excess liquid allowed to drain; then transferred to a tube of Neutralizer. The culture will be thoroughly shaken. The humidity level of the room during the test phase will be monitored and reported.

All subculture tubes containing the carriers will be incubated for 48±2 hours at 36±1C. All observations will be recorded as growth or no growth.

E. Controls:

Sterility controls:

One sterile carrier will be added to a tube of Neutralizer and incubated with the test in order to demonstrate the sterility of the media used in the study.

Viability controls:

Two inoculated carriers will be independently transferred into tubes Neutralizer and incubated with the test to serve as comparison for the test cultures.

Neutralizer effectiveness:

Six sterile carriers per lot will be exposed to the disinfectant for the required contact time, and then transferred into individual tubes of Neutralizer. To each tube, 10-100 colony forming units (CFU) of the challenge microorganism will be added and the count of the bacteria inoculated into these tubes will be confirmed in duplicate TSA plates. The tubes and plates will be incubated with the test.

4. Carrier counts:

For each challenge microorganism, the average CFU per carrier will be determined using three inoculated carriers for each set of 60 inoculated. Dried inoculated carriers will be placed individually into tubes containing 20 mL LB. The tubes will be subjected to ultrasound for 5 minutes in a cleaning sonicator. Serial ten-fold dilutions of each suspension will be performed in PBS blanks. Duplicate one mL aliquots from selected dilutions will be plated in TSA pour plates. All plates will be incubated with the test and the average CFU/carrier determined.

Bacteriostasis control:

If, after two days incubation, no growth is observed in any of the test tubes, at least 20% of the test tubes will be streaked onto TSA and incubated for 24±2 hours at 36±1C. No growth on these plates will negate bacteriostasis as the cause for lack of growth in the test tubes.

6. Confirmation of challenge microorganisms:

All of the viability controls and at least 20% of the test tubes showing growth will be streaked onto TSA and MSA (for *S. aureus*) or SSA (for *S. enterica*) plates. All plates will be incubated for 24±2 hours at 36±1C. Gram stains will be performed from these streaks in order to confirm growth of the challenge microorganism.

TEST ACCEPTANCE CRITERIA:

The test will be acceptable for evaluation of the test results if the criteria listed below are satisfied. The study director may consider other causes that may affect test reliability and acceptance.

- The carrier counts must be $\ge 1 \times 10^6$ CFU/carrier for Staphylococcus aureus and $\ge 1 \times 10^4$ CFU/carrier for Salmonella enterica
- The neutralizer must be effective and support growth of the challenge microorganism(s).
- The sterility control must be negative for growth
- The viability controls must exhibit growth

PRODUCT EVALUATION CRITERIA:

According to EPA, the compound passes the test if no visible growth is observed in at least 59 out of 60 of the subculture broth tubes per lot and the controls meet their stipulated criteria. There is no statistical method proposed for this protocol.

DATA PRESENTATION:

The final report will include the following information:

- The number of positive carriers.
- The average colony-forming units per carrier.
- The results of all controls.

PERSONNEL AND TESTING FACILITIES:

A study director will be assigned before initiation of the test. Resumes for technical personnel are maintained and are available on request. This study will be conducted at MICROBIOTEST, 105 Carpenter Drive, Sterling, VA 20164.

CONFIDENTIALITY:

All data generated at MICROBIOTEST are held in strictest confidence and are available only to the sponsor and the sponsor designated authorities (if applicable). In turn, no reference to MICROBIOTEST's promotion of the evaluated test articles may be made public by the sponsor.

REPORT FORMAT:

MICROBIOTEST employs a standard report format for each test design. Each final report provides the following information:

- Sponsor identification and test agent identification
- Type of test and project number
- Dates of study initiation and completion
- Interpretation of results and conclusions
- Test results
- Methods and evaluation criteria
- Signed Quality Assurance and Compliance Statements (if applicable)

RECORDS TO BE MAINTAINED:

All raw data, protocol, protocol modifications, test agent records, final report, and correspondence between MICROBIOTEST and the sponsor will be stored in the archives at MICROBIOTEST, 105 Carpenter Drive, Sterling, Virginia 20164 or in a controlled facility off site.

All changes or revisions to this approved protocol will be documented, signed by the study director, dated and maintained with this protocol. The sponsor will be notified of any change, resolution, and impact on the study as soon as practical.

The proposed experimental start and termination dates; additional information about the test agent; challenge microorganism used; media and reagent identification; and the type of neutralizers employed in the test will be addressed in a project sheet issued separately for each study. The date the study director signs project sheet number one will be the initiation date. All project sheets will be forwarded to the study sponsor.

MISCELLANEOUS INFORMATION: 🐵

The fo	ollowing information is to be	e completed by sponsor before initiation of study:
Α.	Name and address:	GER, Inc. P.O. Box 667 Carencro, LA 70507
В.	Test agent:	SNIPER®
	Active ingredient(s):	Chlorine dioxide - CLO2
	Lot No 1;	(≥ 60 day sample: ☒ Yes ҈ No)
		(Manufacture date: <u>10 -30 -12</u> ; Expiration date: <u>10 -30 - /4</u>)
	Lot No 2:	
	Lot No 3;	(≥ 60 day sample: ∑ Yes ☐ No) (Manufacture date: <u>8-02-11</u> ; Expiration date: <u>8-02-13</u>)
	Contact time:	5 minutes
	Exposure temperature:	Ambient room temperature 20±1C Other:
	Dilution to be tested:	
	Diluent:	Not applicable - Ready to Use Sterile Deionized Water ppm ± 2.9% AOAC hard water Other:

MISCELLANEOUS INFORMATION: (continued)

	Spray application:	Until thoroughly wet Other:	
	Spraying distance:	✓ 6-8"☐ Other:	
C.	Organic load – serum adde	ed to achieve 5% in the inoculum:	⊠ yes ☐ no
D.	Precautions/storage condi	tions: MSDS and/or CofA provided:	⊠ yes ☐ no
REPO	RT HANDLING:		
X US	oonsor intends to submit the EPA US FDA other: Inte		AL DPR *
STUD	Y CONDUCT: 🔀 GLP] non-GLP	
PROT	OCOL APPROVAL:		*
Spons	or: Global Environme	ntal Restaration, Inc. Date: 11/1	6/12
Spons	or Name (print): <u>Alan</u> Ĵ	Buel Campbell, representing GE	ER, Inc.
Study	Director Signature: 9.1	Date: 11/19	12
Study	Director Printed Name:	mily A. Windkurzen	

MICROBIOTEST, 105 Carper or Dr. Sterling, Virginia 20164

Date Issued: 11/20/12 Pr	coinct Shoet No. 1 P	age No. 1 Laboratory Proj	ect Identification No	813-108
Date Issued: 11/20/12 Pr	DMICIDAL	STUDY DIRECTOR: En	nily A. Winokurzew	_ 10 100
STUDY TITLE: AOAC GE	. 1	STUDI DIRECTOR, LI	my / 1. Trillonal Loss	
SPRAY TEST Staphyloco	ccus aureus and	Franker A Win	1-1 11/2/	7
<i>Заппопена епterica</i>		Signature	Date	
TEST AGENT (S):		LOT NO.:	DATE RECEIVED:	DS NO.:
SNIPER®		108-167-3	11/02/12	C848
SNIPER®		108-171-2 (≥ 60 days aged)	11/02/12	C849
SNIPER®		108-172-1	11/02/12	C850
PERFORMING DEPARTM	MENT(S):	STORAGE CONDITION	: Location: C5	
Applied Microbiology Labo		■Dark ■ Ambient Room		
, pp	•	☐ Desiccator ☐ Freeze	r □ Refrigerator	
PROTECTIVE PRECAUT	ION REQUIRED: M	ISDS □ Yes / ■ No		
PHYSICAL DESCRIPTIO	N: ☐ Solid ■Liquid	☐ Aerosol ☐ Other:		
PURPOSE: See attached	protocol. AUTHO	RIZATION: See client sig	nature.	
PROPOSED EXPERIMEN	NTAL START DATE	E: 11/20/12 TERMINATION	ON DATE: 11/23/12	
CONDUCT OF STUDY:	JFDA ■EPA □R	&D ■GLP □ GCP □ Ot	ner: internal purposes) <u> </u>
SPONSOR: GER, Inc.		CONTACT PERSON: A		
P.O. Box 667		Telephone No. 337-235 Email: alanbud@enviror	-4/ IU amentrestoration com	
Carencro, LA 70507		Email, alanbud@enviror	Internites to fation.com	
TEST CONDITIONS:	Stanbulananaus ai	urous ATCC 6538		
Challenge organism(s):	Salmonella enterio	ureus, ATCC 6538 ca, ATCC 10708		
Active ingredient(s):	Chlorine Dioxide (CIO ₂		
Neutralizer(s):	Letheen Broth cor	ntaining 0.5% Sodium Thi	osulfate	
Contact Time(s):	5 minutes			
Contact Temperature(s):	Room Temperatu	re (20±1C)		
Dilution(s):	Ready To Use			
Diluent:	Not Applicable			
Serum:		inactivated donor horse serum adde		
Incubation Time(s):	48±2 hours (test a	and controls); 24±2 hours	(bacteriostasis and or	r streaks)
Incubation Temperature(s				
Comments: Each carrier	will be sprayed unti	I thoroughly wet from a d	istance of 6-8 inches.	
This project sheet has bee	en reviewed by the	sponsor: ///2///2 Date		
Signature		Dato		

MICROBIOTEST, 105 Carpeer Dr. Sterling	y, Virginia 20104		
Date Issued: 11/20/12 Project Sheet No. 2 F	Page No. 1 Laboratory Pro	ject Identification No.	813-108
STUDY TITLE: AOAC GERMICIDAL	STUDY DIRECTOR: E	mily A. Winokurzew	
SPRAY TEST Staphylococcus aureus and	1 1 1 A 1		ž.
Salmonella enterica	Emily G. The	1 - 11/207	17
Salitionella efficilea	Signature	Date	1
TEST ACENT (S):	LOT NO.:	DATE RECEIVED:	DS NO.:
TEST AGENT (S):		11/02/12	C848
SNIPER®	108-167-3	11/02/12	C849
SNIPER®	108-171-2		
SNIPER®	108-172-1	11/02/12	C850
PERFORMING DEPARTMENT(S):	STORAGE CONDITION		
Applied Microbiology Laboratory	■Dark ■ Ambient Room		
	☐ Desiccator ☐ Freeze		
SPONSOR: GER, Inc.	CONTACT PERSON:		
P.O. Box 667	Telephone No. 337-23		
Carencro, LA 70507	Email: alanbud@enviro	nmentrestoration.com	
EXPLANATION:			
Protocol amendments(s):			
1. On page 9 of the protocol, Lot No 1(1	08-172-1) and Lot No 2 (108-167-3) were checl	ked off
as being ≥60 day samples, but based	on the manufacture date	(10/30/12 for both lots	s) they
are not ≥60 days aged.			
		the engages.	
The amendments or deviations have been re	eviewed and accepted by	the sponsor:	
The amendments or deviations have been re	eviewed and accepted by	the sponsor:	
The amendments or deviations have been resignature	eviewed and accepted by	the sponsor:	