



ALAMO ANALYTICAL LABORATORIES, LTD.

10526 Gulfdale
San Antonio, TX – 78216;
Ph. (210) 340-8121; Fax: (210) 340-8123

2500 Montana Ave.
El Paso, TX – 79903

Ph. (915) 599-2183; Fax: (915) 592-4659

www.alamoanalytical.com; (800) 572-6955

April 13, 2020

Mr. Howard Reed,

"I have been testing BioGrass Extra to determine if it is effective as a remediation agent that can break down hydrocarbons such as crude oil. Based on our laboratory studies, it is apparent that BioGrass Extra upon making contact with oil does act as a remediation agent and breaks down the oil. As such it is certainly effective as a remediation agent. "

Thank you,

Reddy Gosala, Ph.D.
Laboratory Director



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LABORATORY ANALYTICAL RESULTS

Client Name: Quimica del Desierto
Project Manager: Erich Wolf
Phone: (614) 473-0390

Report Date: 12/20/2018
Order No.: 1812006
Analysis Date: 12/06/2018

GC FID Analysis - Units in ppm

Analyst: SS

Lab ID: 1812006-01 Sample ID: **Biograss/Hyreocarbos**, Sample Collection Date:
11/30/2018

Sampling Time	100 mL Crude oil + 100 mL Biograss ExtraR (agitate)	100 mL Crude oil + 100 mL Biograss ExtraR (shake)	100 mL Crude oil + 100 mL Biograss ExtraR (agitate) heat at 80 C
After 5 minutes	360,000	411,700	365,100
After 15 minutes	272,000	404,700	312,800
After 30 minutes	201,500	373,900	279,700
After 60 minutes	154,000	292,300	209,700
After 4 Hours	73,610	Analyzed on 12/31/2018	
After 8 Hours	55,630		
After 12 Hours	39,230		
Oil Without Biograss Extra R- 746,000 ppm			

Reviewed by:

Reddy Gosala, Ph.D
Laboratory Director

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.



MUST BE COMPLETED BY CLIENT

Alamo's Client: <i>Quimica del Desierto</i>	Client's P.O. #:	Turnaround time: Standard(7) <input checked="" type="checkbox"/> (in working days) RUSH: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3-5 <input type="checkbox"/> Days (additional charges) TRRP 13 Report: Yes <input type="checkbox"/> No <input type="checkbox"/> (additional charges) Analysis for Permit Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> DMR Form Required: Yes <input type="checkbox"/> No <input type="checkbox"/>
Project Manager: <i>Erich R. Wolf</i>	Phone #: <i>614 473 0390</i>	
Address: <i>Madrid 2006</i>	Email: <i>erich.wolf@biograssextra.com</i>	
Project Number:	Project Name: <i>the coal</i>	
Project Location:	Sampler Signature:	

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8123

Branch: 2500 Montana Avenue
El Paso, Texas 79903
(915) 599-2182

www.alamoanalytical.com
reports@alamoanalytical.com

LAB ID# (Do not use)	Sampling		Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS						REMARKS (Preservation, Size/Amount, Etc.)	
	Date	Time							<i>Hydrocarbon</i>							
<i>E1811056-01</i>	<i>11-30-18</i>	<i>N/A</i>					<i>biograssextra/Hydrocarbon</i>	<i>2</i>	<i>X</i>							
Relinquished by: (Signature / Print Name)			Date	Time	Received by: (Signature)			Headspace		If Yes, Amt. _____						
<i>X</i> <i>[Signature]</i>			<i>11-30-18</i>	<i>1612</i>	<i>[Signature]</i>			Properly Sealed		If No, Explain _____						
Relinquished by: (Signature / Print Name)			Date	Time	Received by: (Signature)			Chilled ≤4° C		If No; Temp. _____						
Relinquished by: (Signature / Print Name)			Date	Time	Received by: (Signature)			Comments: <i>erich.wolf@biograssextra.com</i>								
Relinquished by: (Signature / Print Name)			Date	Time	Received by: (Signature)			<i>Hydrocarbon E1811056 Temp: 3.1/3.1</i>								



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Sample Log-In Checklist

DATE: 11/30/2018 TIME: 1630 INITIALS: AA

CLIENT: Quimica de Desierto PROJECT: W.O# E1811056

1. Is a Chain of Custody present? Yes No
2. Is a Chain of Custody properly completed? Yes No
3. Are custody seals present? Yes No
If yes, are they intact? Yes No
 Are they on: Sample _____ or on Shipping Container _____
4. Are all samples tagged or labeled? Yes No
If yes, do the labels match the Chain of Custody? Yes No
5. Do all shipping documents agree (i.e., number of coolers arrived vs. on tickets) Yes No N/A
If not, describe below.
6. Are samples preserved properly? *If not, describe below.* Yes No
7. Are all samples within holding times on arrival? Yes No
If not, describe below.
8. Condition of shipping container: Intact or _____
9. Condition of samples: Intact or _____
10. Temperature of samples: Temp. (°C): N/A Corrected Temp. (°C): N/A Thermometer ID : DT1 or L2
11. pH strip lot#: N/A Samples out of pH range: N/A
12. Delivery agent: Client UPS Fed-Ex Lone Star Alamo P/U Other _____
13. Sample disposal: Return to client Alamo Analytical Disposal

Comments: (Reference checklist item number from above, or for comments on resolution below):

STD, 49, Subcontract
#6 for testing purposes

Record of contacting client for resolution of sample discrepancies (first and retry contact)
Contacted How?

Name: _____ Phone _____ Fax _____ Date: ____/____/____ Time: _____
Name: _____ Phone _____ Fax _____ Date: ____/____/____ Time: _____