

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Fulham Laboratory Job Number: L0704408
Address: 12705 S. Van Ness Ave.
Hawthorne, CA 90250 Date Received: 30-MAR-2007
Attn: Ms. Pamela Stowers Date Reported: 13-APR-2007
Project Number: Delivery Method: UPS
Site:

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0704408-01	8W T5 MINIBI-PIN LAMPS	
L0704408-02	21W T5 MINIBI-PIN LAMP	

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: *Kathleen M. Brown*
Technical Representative

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0704408

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Mercury

L0704408-01 was prepped at a 5x dilution and required a 2x analytical dilution in order to quantitate the result within the calibration curve.

L0704408-02 was prepped at a 5x dilution and required a 5x analytical dilution in order to quantitate the result within the calibration curve.

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0704408

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
TCLP Metals for sample(s) 01-02 (L0704942-01, WG276584-3)					
Mercury, TCLP	0.0022	0.0022	mg/l	3	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0704408

Parameter	% Recovery	QC Criteria
TCLP Metals LCS for sample(s) 01-02 (WG276584-1)		
Mercury, TCLP	95	
TCLP Metals SPIKE for sample(s) 01-02 (L0704942-01, WG276584-2)		
Mercury, TCLP	116	

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0704408

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-02 (WG276584-4)							
TCLP Metals							
TCLP Extraction				1 1311		0410 22:00	
Mercury, TCLP	ND	mg/l	0.0010	1 7470A		0412 17:15 0413 10:46	DM

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ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA Job # LD704408

Pamela Stowers

From: Michelle Morris [mmorris@alphalab.com]
Sent: Friday, February 23, 2007 2:33 PM
To: Pamela Stowers
Cc: 'Kristin Fleming'
Subject: Quote for Lamp Testing
Attachments: FULHAM_2007123_qot.pdf, FULHAM_2007123_letter.doc

Hi Pamela,

Attached is the quote for analysis.

Please call with any questions,
Michelle

Michelle Morris
 Client Services Representative **ATTN:**

ALPINA WOODS HOLE LABS
 8 Walkup Drive, Westborough, MA 01581
 DIRECT: (508) 439-5179
 main: (508) 898-9220 x 5179
 fax: (508) 898-9193
 email: mmorris@alphalab.com
 website: www.alphalab.com

Ship to
overnight

Samples Enclosed.

① 8w T5 mini-pin lamps.
 TCLP Test (1).
 Number of Samples : 5

② 21 Watt T5 minibipin lamps.
 TCLP Test (1)
 Number of samples : 5

3/30/07 @ 1200 T.Fleming

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MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Fulham Laboratory Job Number: L0702849
Address: 12705 S. Van Ness Ave.
Hawthorne, CA 90250 Date Received: 28-FEB-2007
Attn: Ms. Pamela Stowers Date Reported: 14-MAR-2007
Project Number: Delivery Method: UPS
Site:

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0702849-01	28W (1)	
L0702849-02	14W (1)	
L0702849-03	54W (1)	
L0702849-04	28W (2)	
L0702849-05	14W (2)	
L0702849-06	54W (2)	

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: *Kathleen M. Brown*
Technical Representative

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0702849

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Metals

Mercury samples L0702849-01, -02, -03, -05 and -06 were prepped at a 5x dilution and required a 5x analytical dilution in order to quantitate the results within the calibration curve.

The WG272818-2 MS % recovery for Mercury is invalid because the sample concentration is greater than four times the spike amount added.

Customer Name: Asia Lamp Industry Co.,Ltd.
Address: 199 Moo 2 Soi Prekasa, Putharaksa Road,
Tambol Taiban, Amphur Muang,
Samutprakarn 10280
Telephone : (66 2) 7029467-9
Telefax : (66 2) 7029470
Attn.: Khun Prawit Hattachote

Report no.: CHN479-2007(2)
Edition : 2
Issued date : 30.04.2007
Page : 1 of 3
Disc ref. no. : CHN479-2007(2)

TEST REPORT

Job no.: CHN 2007-479
Intertek Sample ID: 2007-479-01
Sample type: Fluorescent lamp (F35T5)
Received date: 24.04.2007
Analysis: TCLP (Mercury)
Analyzed date: 25.04.2007
Completed date: 27.04.2007

Test Result:

Test parameter	Method	Unit	Result	Regulatory Level
Customer ID	-	-	Test # 3/2550 - F35T5	-
TCLP Extraction ¹	-	-	-	-
Metals analysis - Mercury (Hg)	EPA 7470A	mg/l	0.159	0.2

Remarks: ¹ Extraction method refers US EPA 1311.
EPA 7470A: Manual Cold Vapor Technique

Technical responsible:



Daonapa Muangsril
Lab Manager

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