


APPENDIX - 2


CERTIFICATES



ACE KOREA INC.
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TEL: +82-51-554-5049 FAX: +82-51-554-5049
E-Mail: antonio@korea.com URL: www.aceonworld.co.kr


TEST ANALYSIS			
MATERIALS	NANO POWDER extracted from OYSTER SEASHELL		
REF. NO.	240823		
QUANTITY	10kg		
TEST RESULT			
Analysis Item	Result	Spec	Method
Free Moisture (%)	0.2	0.5Max	120°C/2hr
lg Loss (%)	43.3	43Min	950°C/3hr
CaCO ₃ (%)	99.18	98Min	EDTA Regular
Fe ₂ O ₃ + Al ₂ O ₃ (%)	0.34	0.4Max	ICP
MgO (%)		0.5Max	ICP
SiO ₂ (%)	0.16	0.2Max	ICP
Heavy Metal(Pb) (ppm)	5	20Max	ICP
As (ppm)	0.3	5Max	ICP
Ba (%)		0.03Max	ICP
Mg and Alkaline salt (%)		0.5Max	ICP
HCl Insoluble (%)	N/D	0.1Max	1:1 hydrochloric Melting
PH	10	8.0-10	pH meter
Whiteness (%)	99.5	98Min	Color meter
Bulk Density (g / ml)	0.55	0.4Min	10 times filtering g/ml
Oil Absorption (ml / 100g)		75Max	D.O.P
Mean Particle Dia (µm)	0.3	0.5 Max	SEM
Screen Residue (1.0 µm) (%)		0.001	SEM
Surface treated with	N/C	N/C	

Tested by : RCH Pharmaceutical and Cosmetic Analytical Laboratories, U.S.A.




(주)영웅 환경생명연구원
Young Ung Co., Ltd. Environmental & Biological Institute
NO 5020033-1

INSPECTION RESULTS			
Record of Inspection			
FOOD NAME	Calcium-contained Oyster Shell Nanopowder	RECEIPT DATE	2005-02-11
INSPECTION OBJECT	Reference	SAMPLING SITE	24-1 Deajeon-ri, Songra-Myeon, Buk-Gu Pohang, Gyeong-Buk Korea.
CLIENT	Kim Cheong Ja	FIRM NAME	Nano Techworld co., Ltd.
Results of Inspection The results for the product provided by the client are below.			
Analysis Items		Results	
Total Moisture(%)		2.7	
Calcium(mg/kg)		393008.97	
Lead(mg/kg)		2.35	
Coliforms		Negative	
JUDGEMENT : The test results on analysis items remarked above satisfy the level of 'Food Sanitation Act of the Republic of Korea', and the above results should be used by the proposed request only.			
		2005.03.7	
		YOUNG UNG Co., Ltd.	
		Institute of Environmental & Biology	
		302 Kyongbuk Technopark 300 Sempung-dong, Gyeongsan, Kyongsbuk, Korea	
		Tel) 052-53-817-2989, Fax) 052-53-817-2488	



(주)영웅 환경생명연구원장



본사: 서울특별시 강남구 테헤란로 177
(주)영웅 환경생명연구원
 Young Ung Co., Ltd. Environmental & Biological Institute

INSPECTION RESULTS

Record of Inspection

NO 5020149-1

2005-02-11

24-1 Deajeon-ri, Songra-Myeon, Buk-Gu, Pohang, Gyeong-Buk Korea.
 Nano Techworld co., Ltd.


FOOD NAME	RECEIPT DATE	RECEIPT DATE	RECEIPT DATE
Calcium-contained Oyster Shell Nanopowder	2005-02-11	2005-02-11	2005-02-11
INSPECTION OBJECT	TERM INSPECTION	SAMPLING SITE	FIRM NAME
Kim Cheong Ja	Kim Cheong Ja	24-1 Deajeon-ri, Songra-Myeon, Buk-Gu, Pohang, Gyeong-Buk Korea.	Nano Techworld co., Ltd.

Results of Inspection
 The results for the product provided by the client are below.

Analysis Items	Results	Criterion
Appearance	Pass to test	Pass to test
Tar color	Not detected	Not detected
Foreign materials test	Pass to test	Pass to test


JUDGEMENT: The test results on analysis items remarked above satisfy the level of "Food Sanitation Act of the Republic of Korea", and the above results should be used by the proposed request only.

2005.03.1
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(주)영웅 환경생명연구원장

- 위조인 물, 비문서품문화 환경생명연구원이 지킵니다. -



본사: 서울특별시 강남구 테헤란로 177
(주)영웅 환경생명연구원
 Young Ung Co., Ltd. Environmental & Biological Institute

INSPECTION RESULTS

Record of Inspection

NO 5020033-1

2005-02-11

24-1 Deajeon-ri, Songra-Myeon, Buk-Gu, Pohang, Gyeong-Buk Korea.
 Nano Techworld co., Ltd.


FOOD NAME	RECEIPT DATE	RECEIPT DATE	RECEIPT DATE
Calcium-contained Oyster Shell Nanopowder	2005-02-11	2005-02-11	2005-02-11
INSPECTION OBJECT	TERM INSPECTION	SAMPLING SITE	FIRM NAME
Kim Cheong Ja	Kim Cheong Ja	24-1 Deajeon-ri, Songra-Myeon, Buk-Gu, Pohang, Gyeong-Buk Korea.	Nano Techworld co., Ltd.

Results of Inspection
 The results for the product provided by the client are below.


Analysis Items	Results	Results
Total Moisture(%)	2.7	2.7
Calcium(mg/kg)	393008.97	393008.97
Lead(mg/kg)	2.35	2.35
Coliforms	Negative	Negative

JUDGEMENT: The test results on analysis items remarked above satisfy the level of "Food Sanitation Act of the Republic of Korea", and the above results should be used by the proposed request only.

2005.03.7
YOUNG UNG Co., Ltd.
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(주)영웅 환경생명연구원장



분석과학을 선도하는 기업
(주)영웅 환경생명연구원
Young Ung Co., Ltd. Environmental & Biological Institute

INSPECTION RESULTS

NO 95100024-1

Record of Inspection				
Name of Product	Calcium-contained Oyster Shell Nanopowder	Receipt Date	2005-10-07	
Manufacture Date	2005-10-07	Expiration Date	36 months	
Inspection Object	Reference	Sampling Site	24-1 Deajeon-ri, Songra-Myeon, Buk-Gu, Pohang, Gyeong-Buk Korea	
Client	Kim Cheng Ja	Firm Name	Nano Techworld Co., Ltd.	


Results of Inspection
The results for the product provided by the client are below.

Analysis Items	Results
Moisture(%)	1.4
Calcium(mg/100g)	39166.14
Lead(mg/kg)	0.0
Coliforms	Negative

Note : The above results should be used by the proposed request only.


2005. 10. 27

YOUNG UNG Co., Ltd.
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(주)영웅 환경생명연구원

- 폐곡인 물, 비문시용문과 환경생명연구원의 지킴이입니다. -



분석과학을 선도하는 기업
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Young Ung Co., Ltd. Environmental & Biological Institute

INSPECTION RESULTS

NO 95100024-1

Record of Inspection				
Name of Product	Calcium-contained Oyster Shell Nanopowder	Receipt Date	2005-10-07	
Manufacture Date	2005-10-07	Expiration Date	36 months	
Inspection Object	Reference	Sampling Site	24-1 Deajeon-ri, Songra-Myeon, Buk-Gu, Pohang, Gyeong-Buk Korea	
Client	Kim Cheng Ja	Firm Name	Nano Techworld Co., Ltd.	


Results of Inspection
The results for the product provided by the client are below.

Analysis Items	Results
Moisture(%)	1.4
Calcium(mg/100g)	39166.14
Lead(mg/kg)	0.0
Coliforms	Negative

Note : The above results should be used by the proposed request only.


2005. 10. 27

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Institute of Environmental & Biology
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(주)영웅 환경생명연구원

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본식과학을 선도하는 기업
(주)영웅 환경생명연구원
Young Ung Co., Ltd. Environmental & Biological Institute
NO 15100061-1

INSPECTION RESULTS

Record of Inspection

Name of Product	Calcium-contained Oyster Shell Nanopowder	Receipt Date	2005-10-07
Manufacture Date	2005-10-07	Expiration Date	36 months
Inspection Object	Term Inspection	Sampling Site	24-1 Deajeon-ri, Songra-Myeon, Buk-Gu, Pohang, Gyeong-Buk Korea
Client	Kim Cheng Ja	Firm Name	Nano Techworld Co., Ltd.

Results of Inspection
The results for the product provided by the client are below.


Analysis Items	Results	Criterion
Appearance	Pass to test	Pass to test
Foreign Materials Test	Pass to test	Pass to test

Judgement
Above items suitability

Note : The test results on analysis items remarked above satisfy the level of "Food Sanitation Act of the Republic of Korea.", and the above results should be used by the proposed request only.


2005. 10. 12

YOUNG UNG Co., Ltd.
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— 평상인 풍, 비근식음과 환경생명연구원이 지켜나갑니다. —



RCH Pharmaceutical and Cosmetic Analytical Laboratories
2680-A Arnd St. (PCT Building)
Rancho Dominguez, CA 9022

• Pharmaceuticals
• Cosmetics
• Foods

PAGE 2 OF 01-2380
CALCIUM CARBONATE

Parameter	Result	Detection Limit	Method	Date Analyzed
Ethylbenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
1,1,1,2-Tetrachloroethane	ND	5.00 ug/L	8260 TCLP	7/6/01
m-Xylene	ND	5.00 ug/L	8260 TCLP	7/6/01
O-Xylene	ND	5.00 ug/L	8260 TCLP	7/6/01
Styrene	ND	5.00 ug/L	8260 TCLP	7/6/01
Bromoforn	ND	5.00 ug/L	8260 TCLP	7/6/01
Isopropylbenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
1,1,2,2-Tetrachloroethane	ND	5.00 ug/L	8260 TCLP	7/6/01
Bromobenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
n-Propylbenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
1,2,3-Trichloropropane	ND	5.00 ug/L	8260 TCLP	7/6/01
2-chlorotoluene	ND	5.00 ug/L	8260 TCLP	7/6/01
1,3,5-Trimethylbenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
4-Chlorotoluene	ND	5.00 ug/L	8260 TCLP	7/6/01
Ter-Butylbenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
1,2,4-Trimethylbenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
Sec-Butylbenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
4-Isopropyltoluene	ND	5.00 ug/L	8260 TCLP	7/6/01
1,3-Dichlorobenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
1,4-Dichlorobenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
n-Butylbenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
1,2-Dichlorobenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
1,2-Dibromo-3-chloropropane	ND	5.00 ug/L	8260 TCLP	7/6/01
1,2,4-Trichlorobenzene	ND	5.00 ug/L	8260 TCLP	7/6/01
Hexachlorocyclopentadiene	ND	5.00 ug/L	8260 TCLP	7/6/01
Naphthalene	ND	5.00 ug/L	8260 TCLP	7/6/01
Acetone	ND	5.00 ug/L	8260 TCLP	7/6/01
2-Butanone (MEK)	ND	5.00 ug/L	8260 TCLP	7/6/01
4-Methyl-2-Pentanone	ND	5.00 ug/L	8260 TCLP	7/6/01
2-Hexanone	ND	5.00 ug/L	8260 TCLP	7/6/01
MTBE	ND	5.00 ug/L	8260 TCLP	7/6/01

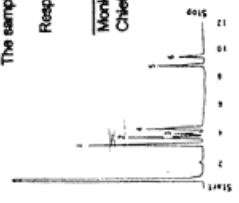
ND = The concentration is below the detection limit or is non-detected.
Note: The above analyses were performed by a FDA certified laboratories.
The sample was extracted by TCLP before it was analyzed.

Respectfully Submitted,

M. D. Ghadiali
Monica Ghadiali
Chief Chemist

Respectfully Submitted,

Kari Catterton
Kari Catterton
Laboratory Manager



A Subsidiary of RCH Research & Environmental Laboratories

RCH Pharmaceutical and Cosmetic Analytical Laboratories
 2880-A Ano St. (PCT Building)
 Rancho Dominguez, CA 9022

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CERTIFICATE OF ANALYSIS

CLIENT: HOMAN CO. LTD.
 #1487-10, JOONG-2 DONG
 HAENDEONG, PUSAN, KOREA

PROJECT CONT. PERSON: KI WON KIM
PROJECT NAME/NO.: KI MAN KWON
SAMPLE I.D.: Calcium Carbonate(HMCC-MEL GRADE)

REPORTING DATE: 8/1/01
SAMPLE RECEIVED: 7/8/01
LABORATORY NO.: 01-2280
DATE SAMPLED : 7/8/01
FDA I.D. CODE : 20300650
INVESTIGATION : SEE BELOW

Parameter	Result	Method
Calories (kCal)	7.00 Cal/100g	Calculation
Calories From Fat (kCal)	2.00 Cal/100g	Calculation
Fat(g)	0.00 g	AOAC 922.08(Acid Hydrolyzed)
Saturated Fatty Acid (g)	0.00 g	AOAC 18th Ed
Cholesterol (mg)	0.00 mg	AOAC 18th Ed. 984.10
Carbohydrates (g)	0.00 g	Calculation
Total Dietary Fiber (g)	0.00 g	Sigma
Total Sugars (g)	0.00 g	HPLC
Moisture (g)	0.54 g/100g	AOAC
Vitamin A (IU)	20.0 IU/100g	M-34
Vitamin C (Ascorbic Acid) (mg)	0.42 mg/100g	AOAC 18th Ed.
Sodium (mg)	8.63 mg/100g	ICP
Calcium (mg)	38530.0 mg/100g	ICP
Iron (mg)	2.50 mg/100g	ICP
Ash, Total (g)	87.9 g/100g	AOAC 923.03
Protein N x 6.25 (g)	0.01 g/100g	Leuco

ND = The concentration is below the detection limit or is non-detected.

Notes: The above analyses were performed by a FDA certified laboratories
 This product is safe as a dietary product (health supplement).

Respectfully Submitted,

Monica Ghadiali
 Chief Chemist

Respectfully Submitted,

Karl Catterton
 Laboratory Manager

A Subsidiary of RCH Research & Environmental Laboratories

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Nutrition Facts

01-2280 HOMAN CO. LTD.

Serving Size 1.00 g
 Servings Per Container 100

Amount Per Serving
 Calories 0 Calories from Fat 0
 % Daily Value *

Total Fat 0g	0%
Saturated Fat 0g	0%
Cholesterol 0mg	0%
Sodium 0mg	0%
Total Carbohydrate 0g	0%
Dietary Fiber 0g	0%
Sugars 0g	
Protein 0g	

Vitamin A 0% **Vitamin C** 0%
Calcium 40% **Iron** 0%

* Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs:

Calories	2,000	2,500	
Total Fat	Less than 65g	80g	
Sat Fat	Less than 20g	25g	
Cholesterol	Less than 300mg	300mg	
Sodium	Less than 2,400mg	2,400mg	
Total Carbohydrate	300g	375g	
Dietary Fiber	25g	30g	
Calories per gram:			
Fat	9	Carbohydrate	4
		Protein	4

200 % Magnified

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