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RECOGNIZES

BIO CERA CO., LTD.

KOREA, REPUBLIC OF

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A handwritten signature in black ink, reading "Thomas J. Bruursema".

August 27, 2009
Certificate# 3S670 - 01

Thomas J. Bruursema, General Manager
Drinking Water Treatment Units

Certificate of Registration



The Governing Board of
Q.A. International Certification Limited
hereby grants to:
Biocera Co., Ltd.
Registration No. : QAIC / KR / 10711 - A

(hereinafter called the Registered Company) the right to be listed in the Directory of Registered Companies in respect of the services listed below. These services shall be offered by the Registered Company at or from only the address given below in accordance with the quality management system in compliance with ISO 9001:2008.

Address to which this Certificate refers :

**Head Office : A-610 Bundang Technopark,
150, Yatap-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea
Factory : 6-1, Shinsung-ri, Bongdong-eup, Wanju-gun, Jeollabuk-do, Korea**

Approved Scope to which this Certificate refers.

**The Development, Production and Sales of Functional Ceramic Materials
(Bio-Antibacterial Agent, Nano Photo-Semiconductive Photocatalyst Agent,
Bio Ceramic Ball for Water Purification, Liquid Bio Coating Agent,
Deodorization Antibacterial Filter, etc), Anti Oxidant Alkaline Water Purifier,
Alkaline Water Filter, Washing Ball, De-chlorine Shower Head, Softening Shower Filter, Water Jug.**
(Further clarification regarding the Scope of this Certificate and the applicability of
ISO 9001:2008 requirements may be obtained by consulting the organisation)

Signed for and on behalf of the Board

CHAIRMAN

A. J. Duffield

SCHEME MANAGER

A. Carter

**Certificate Issue Date : 23rd February 2011 - Certificate Expiry Date : 28th February 2012
Date of Initial Registration : 18th February 2003 - Re-assessment Date : 28th February 2012**

This Certificate of Registration is granted subject to the Regulations approved by the Board.

QA INTERNATIONAL

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The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 046.



TEST REPORT



KOREA MACHINERY-METER AND PETROCHEMICAL
TESTING & RESEARCH INSTITUTE
518-23, Sutaek 1-dong, Guri-si, Gyeonggi-do, Korea
Tel: +82-31-555-3919, Fax: +82-31-555-3921

Certificate No : KIM10-019

Page (1) of (1)

1. Client

Address : A-610, Bundang Techno park, Yatap-dong 150, Bundang-Gu, Sunnam-si,
Gyeonggi-do, Korea
Company : BIOCERA CO.,LTD.
Representative : Jeon, Hyoung Tag

2. Product Sampled : BIOCERA Ball for Laundry

3. Date of Test : Mar. 3, 2010 ~ Jun. 8, 2010

4. Use of Report : Quality Control

Test items	Unit	Results	
		After 1 cycle hour	After 1100 cycle hours
detergency	%	44.9	44.8

비고 : 1. Washing process :

- ① Condition 1 : BIOCERA BALL(For Laundry)
2. washing condition
 - ① washing machine : household washing machine(SEW-PK102NL)
 - ② Water level : Middle water level(66L)
 - ③ Washing time : Standard Course (1100 hours (1hour/cycle))
 - ④ Ballast fabric weight : 3.0 kg (KS C 9608:2003 Appendix 1-sheet)
 - ⑤ water temperature : (25±2)°C
3. Soiled Fabric : Artificial Soiled Fabric (JIS C 9606 - Soiled cotton/Oleic acid, Carbon black etc.)
4. Test method : ① Measure reflectance before washing and after washing
② Calculate Detergency

5. Calculation

$$\text{① Whiteness} = 100 - \sqrt{(100 - L)^2 + a^2 + b^2}$$

$$\text{② Detergency(\%)} = \frac{(\text{Reflectance after washing} - \text{Reflectance before washing})}{(\text{Reflectance of non-stained fabric} - \text{Reflectance before washing})} \times 100$$

※ This test result can be changed by Lot. number of soiled fabrics. End.

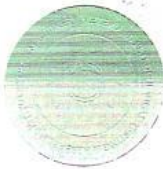
Prepared by

Affirmation Name : Jang-keun, Lee
(Tel. : 031-555-3919)

Approved by

Title : Technical Manager
Name : Kwang-soon, Lee

2010. 06. 08



President

[Signature]
KOREA MACHINERY-METER AND PETROCHEMICAL
TESTING & RESEARCH INSTITUTE