

KIFA

KOREA INSTITUTE OF FAR INFRARED APPLIED ESTIMATION

KOREA FAR INFRARED ASSOCIATION

Add.: 174-12, Sokchon-Dong, Songpa-Gu, Seoul, Korea Tel.: (02) 2203-6037, 6084 FAX: (02) 2203-6061

Certificate of Testing Result

Serial No. of Issue

: KFIA-428

Name of Applicant

: Jong-Soon, Kim [SHINA AT CO., LTD.]

Address of Applicant

: 238-69, Yongdu-Dong, Dongdaemun-Gu, Seoul, Korea

Date of Receipt

: 7. 8. 2003

Name of Test Sample

: Compound Glass Ceramic[RAS(Black)]

Result of Testing

: Refer to the Enclosed

Item of test	Test sample	Early conc. (number/ml)	After 24hours (number/ml)	Reduction rate of bacteria(%)
Antibacterial test for Escherichia coli	BLANK	7.5×10 ⁴	2.0×10 ⁵	-
	Compound Glass Ceramic [RAS(Black)]		3.0×10³	98.0
Antibacterial test for Pseudomonas aeruginosa	BLANK	2.9×10 ⁶	8.2×10 ⁶	-
	Compound Glass Ceramic [RAS(Black)]		1,0×10 ⁵	98.2

(Note) 1) The blank test was measured on the non-test sample.

- 2) The bacteria number on the petri dish was detected by multiplication of dilution rate. End.
- 1) Test method: KFIA-FI-1003
- Name of used bacteria
 Escherichia coli ATCC 25922
 Pseudomonas aeruginosa ATCC 15442
- 3) Refer to the Enclosed (2-1, 2-2)

COPY

7 18 2003
month day year
Signed Chai 7 8

The director of Korea Institute of Far Infrared Applied Estimation