

# BioMat Infrared Test Results

A decorative graphic consisting of a solid teal horizontal bar that spans the width of the slide. Below this bar, on the right side, there are several horizontal lines of varying lengths and colors, including teal and white, creating a layered, stepped effect.

# BioMat Emits Two Types of Infrared Rays

The **2 different** frequencies of Infrared Rays:

- Medium Infrared waves (Photon)  
Length - **6.5 micron**
- Far Infrared waves (Thermo)  
Length - **10 micron**

# BioMat's Infrared Emission Levels

- **BioMat's Emissivity from  
5 micron to 20 micron = 91.3%**
- **BioMat's Infrared Ray Emission Power  
424 ps at 50C° = 98%**



K I F A  
**KOREA FAR INFRARED ASSOCIATION**  
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**CERTIFICATE OF TESTING RESULT**

Serial No. of Issue : KFI-592  
Name of Applicant : SU HYUN KIM [Rich Way & N. F]  
Address of Applicant : 5F, 58-4, BUN-DONG, KANGBUK-GU, SEOUL, KOREA  
Date of Receipt : 8. 17. 2007  
Name of Test Sample : Amethyst

TEST RESULTS

Emissivity ( 5 ~ 20 $\mu\text{m}$ )	Emission Power (W/m <sup>2</sup> · $\mu\text{m}$ , 50°C)
0.913	$4.24 \times 10^2$

- 1) Test Method : KFIA-FI-1005
- 2) The temperature of 50°C is provided by the applicant.  
The above experimental results were measured in comparison with BLACK BODY by using the FT-IR Spectrometer.
- 3) Test Results : Refer to the Enclosed
- 4) Usage : Quality control.

※ This certificate of testing result shall be used within the purpose of its defined usage.

8            20            2007  
month      day          year

Signed *Choi T. S.*

The director of Korea Institute of  
Far Infrared Applied Estimation