



17 April 2015

Messrs. Unitum – Sanit Plast

ISHIZUKA GLASS CO., LTD.  
Advanced Glass Company

## REPORT ON ANTI-FUNGUS TEST RESULT

### 1. Sample:

PP plates containing IONPURE IP / Samples receipt date: March 16<sup>th</sup>, 2015

No.	Sample
1.	Blank
2.	0.5%
3.	1.0%
4.	2.0%

### 2. Outline of test:

The test was executed in according with “JIS Z 2911-2000.”(Method A)

<Method>

*Sample is kept under the condition of 29 ±1 degree, More than 95%Rh for 28 days. Growth of fungal thread is checked every week.*

<Fungus used for test>

*Aspergillus niger* NBRC 105649

### 3. Test result:

Table 1. Test result of anti-fungus efficacy against *Aspergillus niger*

Sample	1 <sup>st</sup> week	2 <sup>nd</sup> week	3 <sup>rd</sup> week	4 <sup>th</sup> week
Sample 1	0	0	0	1
Sample 2	0	0	0	0
Sample 3	0	0	0	0
Sample 4	0	0	0	0

Table 2. Indication of test result

Labeling	Fungal thread growth status
0	No growth of fungal thread was observed visually or by a microscope observation
1	Invisible to naked eyes. Growth was observed by a microscope.
2	Growth of fungal thread is minimum. Growth status is <25% of total sample area
3	Growth of fungal thread is moderate. Growth status is 25-50% of total sample area
4	Fungal thread is well grown. Growth status is 50-100% of total sample area
5	Fungal thread is grown aggressively. Sample is fully covered by fungus.



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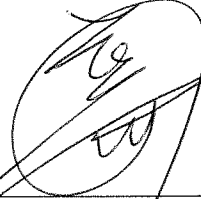
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**4. Consideration:**

Sample 2 , 3 and 4 showed anti-fungus efficacy.

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