

Certified SIAA\*<sup>1</sup>  
antiviral treatment

**Antiviral activity**

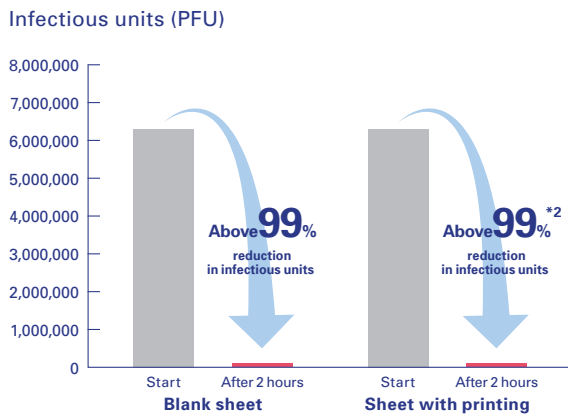
Above **99%**

**Antiviral, antibacterial, and deodorizing printing paper**

**NPI Antiviral Paper**

The raw material for NPI Antiviral Paper, denatured cellulose, is an intermediate in the manufacture of cellulose nanofiber (CNF). The surface of the chemically-modified denatured cellulose is used as a carrier for metal ions to produce strong antiviral properties as well as antibacterial and deodorizing effects. Suitable for standard printing processes\*<sup>2</sup>. Heavy paper that can be used for cards and business cards has been added to this series.

**Antiviral activity Enveloped viruses**

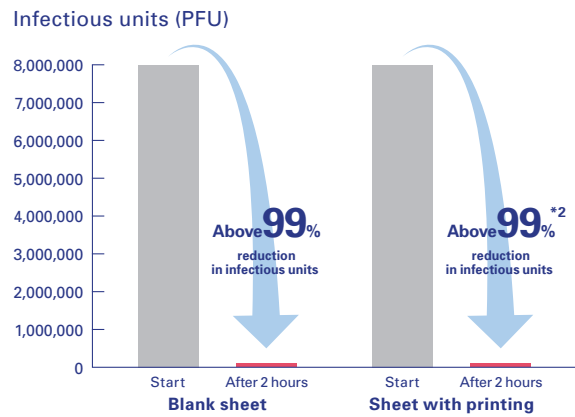


\*Test method : JIS L 1922:2016  
\*Sample : NPI Antiviral Paper 80g/m<sup>2</sup> (Blank sheet / Sheet with printing)

Antiviral activity (R-value)	80g/m <sup>2</sup>	186.1g/m <sup>2</sup>
Enveloped viruses	4.3	4.3

(An R-value of 3 or more is recognized as sufficiently effective.)

**Antiviral activity Non-enveloped viruses**

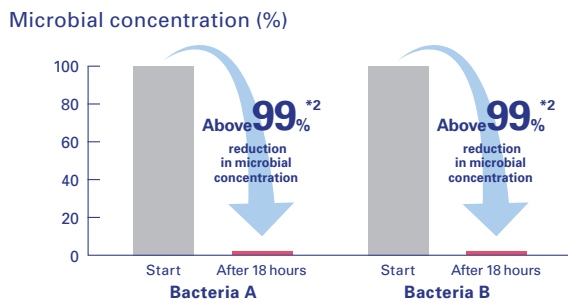


\*Test method : JIS L 1922:2016  
\*Sample : NPI Antiviral Paper 80g/m<sup>2</sup> (Blank sheet / Sheet with printing)

Antiviral activity (R-value)	80g/m <sup>2</sup>	186.1g/m <sup>2</sup>
Non-enveloped viruses	4.5	4.2

(An R-value of 3 or more is recognized as sufficiently effective.)

**Antibacterial activity**

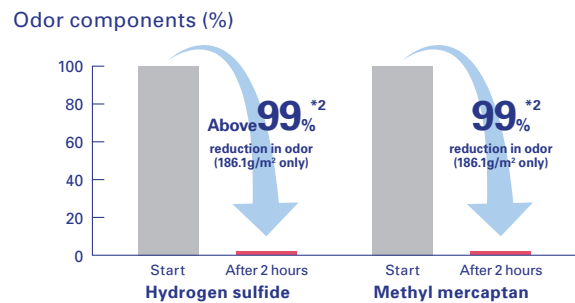


\*Test method : JIS L 1902:2015 Antibacterial activity test (absorption)  
\*Sample : NPI Antiviral Paper 80g/m<sup>2</sup> (Blank sheet / Sheet with printing)

Antibacterial activity (R-value)	80g/m <sup>2</sup>	186.1g/m <sup>2</sup>
Strain A	6.0	5.9
Strain B	6.3	6.3

(An R-value of 3 or more is recognized as highly effective.)

**Deodorizing activity**



\*Test method : Deodorizing activity test (Detection tube method by Japan Textile Evaluation Technology Council)  
\*Sample : NPI Antiviral Paper 186.1g/m<sup>2</sup> (Blank sheet / Sheet with printing)

Specifications	80	186.1g/m <sup>2</sup>
788×1091mm L/G	●	● 1 color
636×939mm L/G	●	● 1 color
939×636mm S/G	●	● 1 color

- Data provided by external testing organization. Similar results cannot be guaranteed.
- Not designed for use as a pharmaceutical, medical device, or other medical purposes.
- Manufactured without fluorescent dyes.

\*1 Certified SIAA antiviral treatment (ISO 21702)  
\*2 Antiviral properties may be impaired by some printing methods and processes.



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