

Study Report

Issue: NB1512003

February 29, 2016

To: RAYCOP JAPAN INC.

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| | | | |
|--|---|-------------------------|-----------------------|
| Sample Type | Cleaner for bedding | Reception method | Received (2015/12/03) |
| Name of the sample (Trade name, etc.) | RAYCOP RS2-100 | | |
| Study Name | Test 2 UV tick hatching rate lessening validation test | | |
| Test tick | <i>Dermatophagoides pteronysinus</i> Tokyo Women's Medical University | | |
| Test method | Method according to the test outsourcing proposal 20151015 (See Attachment) | | |
| (Note) Collected and brought-in samples are described as appointed by the requestor. | | | |

Here is a report on study results of the above sample.

| | UV irradiation time | | | |
|---|---------------------|-----------|------------|-------------|
| | 0 second | 5 seconds | 60 seconds | 300 seconds |
| Hatching rate (4 days later) | 36.7% | 0.0% | 0.0% | 0.0% |
| Hatching rate (7 days later) | 96.7% | 16.7% | 0.0% | 0.0% |
| Hatching rate (14 days later) | 96.7% | 20.0% | 0.0% | 0.0% |
| (Note) After UV irradiation, tick eggs were to be set still in 25°C, 75%RH, dark environment. | | | | |
| [Remarks] | | | | |

Study director: Minoru Sugiura

