

Technical Data

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Attn: Dynic Corporation

SC Environmental Science Co., Ltd.

R&D Precision Chemicals Engineering Department

Allergen reduction effect of non-woven

The following is the test report of tick and cedar pollen allergen reduction effect.

1. Received sample

Received Aug 24, 2007

Description of sample: OS40AN-4

2. The method of the test

The evaluation sample (weight: approx. 0.3g) was placed in a zipped plastic bag and furthermore, 1ml of a mite or cedar pollen allergen suspension was placed therein, and extracted it 1 hour later and used it as an evaluation liquid. The amount of mite and cedar pollen allergen in the sample was measured by the ELISA method. Then, it was compared with those of normal suspension.

In addition, the stated amount of mite allergens indicates the total amount of protein converted from the amount of Derf II. The amount of cedar pollen allergen indicates the amount of Cryj I.

3. Result and consideration

Figure 1 shows the result of mite allergen and figure 2 shows the result of cedar pollen allergen. Both figures show high efficiency of allergen reduction.

Figure 1: allergen reduction effect against mite

Sample	Reduction rate (%)*	The amount of allergen(ng)
OS40AN-4	100	Not detected
Only suspension	-	360

*(The amount of allergen in suspension – The amount of allergen in OS40AN-4) / The amount of allergen in OS40AN-4 *100)

Figure 2: allergen reduction effect against cedar pollen

Sample	Reduction rate (%)*	The amount of allergen(ng)
OS40AN-4	100	Not detected
Only suspension	-	13.4

*(The amount of allergen in suspension – The amount of allergen in OS40AN-4) / The amount of allergen in OS40AN-4 *100)