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Airmid Healthgroup Reveals Up To 97% Allergen Reduction in Carpets and Furnishings

*European research company study shows effectiveness
of cleaning process in reducing allergen levels.*

DUBLIN, February 25, 2013 – Airmid healthgroup, a biomedical research organization specializing in aerobiology, today announced the results of a recent breakthrough study in domestic allergen reduction in carpets and soft furnishings. The study demonstrated that a proprietary hot water extraction process used with a commercial truck-mounted cleaner delivered up to 97 percent allergen reduction. The results will be presented at the 2013 American Academy of Allergy, Asthma & Immunology (AAAAI) annual meeting this week in San Antonio, Texas.

According to the Asthma and Allergy Foundation of America, approximately 50 million Americans – one in five – suffer from allergies. Approximately 40 million have indoor/outdoor allergies as their primary allergy. Airmid's environmental specialists have devoted significant resources to studying indoor allergens, and this most recent study of carpets and the indoor environment is the third to be released by airmid within the past year, including research presented at the 2012 Annual Meeting of the American College of Allergy, Asthma & Immunology last November.

“Our goal at airmid is to identify and evaluate situations where indoor air quality is a concern, and then work with corporate household names to provide the best possible solution,” said Dr. Bruce Mitchell, CEO airmid healthgroup. “Since bio-contaminants in indoor air represent a growing worldwide problem, we have placed particular emphasis on finding solutions to lower the levels of indoor allergens and microbiological exposures.”

Recently, airmid healthgroup undertook a study in Dublin, Ohio for Stanley Steemer, one of the largest professional deep cleaning companies. Twenty US homes were assessed to measure the impact of the company's proprietary hot water extraction technology on levels of surface allergen in both carpets and soft furnishings. The study also assessed whether a reduction in airborne bio-aerosol exposure was possible.



Results show that the proprietary hot water extraction cleaning process was highly effective in reducing allergen levels in carpets and soft furnishings. Surface levels of dust mite allergens on carpets, for example, were reduced by 91 percent, of cat allergen by 95 percent, and of dog allergen by 97 percent. The cleaning process also resulted in a marked reduction in airborne cat allergen exposure. The process also effectively reduced exposure to airborne mold. These findings were paralleled by a reduction in airborne particle counts during room disturbance on three different used carpets in an environmental test chamber. Average total airborne particles were 78, 37 and 65 percent less in the presence of carpet samples that had undergone the hot water extraction cleaning process than in the presence of un-cleaned carpet samples.

“What we’ve shown is that effective cleaning plays an important part in the maintenance of good air quality, regardless of whether a room has hard floors or carpeting,” said Dr. Mitchell. “This proprietary hot water-based extraction cleaning process is very effective at reducing the levels of harmful bio-contaminants. To maintain the healthiest environment for occupants, we recommend hot water extraction cleaning two to three times per year and vacuuming at regular intervals.”

For more about the existing body of research, visit www.airmidhealthgroup.com/carpetcleaning.

About airmid healthgroup

Airmid helps clients with products and services related to residential and commercial indoor environments to differentiate their customer offerings through health relevant marketing claims. Clients include Dyson Inc., LG Electronics and Kenmore. Airmid creates value for clients through a number of collaborative strategies, including field research projects, environmental test chamber studies and licensing our own intellectual property. Airmid specializes in studying the relationship between allergens, viruses, bacteria, molds or other ultra-fine particles in the air and on surfaces to the spread of illness and disease in buildings. As a leading authority on biomedical and aerobiology research, they use this deep domain knowledge to improve products and services to make the indoor environment as healthy as possible. For more information, visit www.airmidhealthgroup.com.

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