



Chemical Innovations

ALEXIUM INTERNATIONAL GROUP LIMITED

ASX/Media Release

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**ALEXIUM'S NYCOLON & NUVALON INDEPENDENTLY CERTIFIED TO ISO
15025 B – A2 STANDARD
A KEY PERFORMANCE STANDARD FOR THE INDUSTRIAL WORK WEAR
MARKET IN EUROPE
FABRICS PASS KEY FIRE RETARDANT TESTS (FR) INCLUDING WITH HIGH
SYNTHETIC FIBRE CONTENT**

- **Vartest Laboratories, an independent certification laboratory in New York, has certified Alexium-treated fabrics for higher ISO standard.**
- **Alexium Fire Retardant (FR) treatments effective on broad range of fabric types & compositions.**

Perth, WA and Greer, South Carolina, Alexium International Group Limited (Alexium) (ASX:AJX, AX:AJX, OTC QX:AXXIY) announced today that Vartest Laboratories, an independent certification laboratory in New York, has certified the FR performance for Alexium's technologies to an important classification in the FR fabric market. Fabrics treated with the Nycolon® and Nuvalon® treatments passed the ISO 15025 B – A2 standard, a key performance standard for the industrial work wear market in Europe. This performance was achieved using fabric blends with as high as 40% synthetic fiber.

Alexium's Nycolon® and Nuvalon® treatments are designed for the most demanding work wear market. The treatments are able to meet the toughest of the FR tests for the industrial work wear markets and are designed to be durable for the life of the garment, a minimum of 50 launderings. Compliance with ISO 15025 B – A2 has set Alexium-treated fabrics to the same standard as FR cotton and inherently flame retardant fabrics. By utilizing the Nycolon® and Nuvalon® chemistries, fabrics that contain higher synthetic content could be introduced into the European work wear market.

“This is a very exciting time for Alexium,” said Jonas Larue, Alexium's Senior Formulations Chemist. “With each new level of certification we are able to open doors to markets which have historically relied on more expensive and non-synthetic fibers. With these results, we can offer solutions for a larger synthetic range than a majority of the current FR fabric manufacturers.”

With Alexium's Nycolon® and Nuvalon® treatments, customers will be able to increase the synthetic content allowing for a tough and comfortable garment. As these fabrics are subjected to a heat source, a protective char barrier is formed and the fabric is self-extinguishing. By coupling this high level of flame retardancy with the wearability of synthetic cotton blends, Alexium is well-poised for offering a range of innovative FR fabrics into these markets, becoming even more significantly a “one in a kind” company in it's field.

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About Alexium

Alexium International Group Limited (ASX: AJX, AX:AJX OTC QX: AXXIY) holds proprietary patent applications for a process developed initially by the U.S. Department of Defense, which allows for the surface modification and attachment of nano-particles or multiple chemical functional groups to surfaces or substrates to provide functions such as fire retardancy, water proofing, oil proofing, and anti-microbial treatments. Applications under development include but are not limited to textiles, paints, and packaging, glass and building materials. Alexium's fire retardant chemical treatment are currently marketed for different fabric markets under the Ascalon™, Nycolon™, Nuvalon™, and Polytron™ trademarks.