

Talatech Latex Foam Health
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Independent testing has shown Talatech Latex Foam to contain no harmful substances, is hypo-allergenic, is anti-microbial, and is anti-fungal. Talatech Latex Foam is made from a blend of natural latex and synthetic latex formulated to provide superior comfort and durability. All raw materials are thoroughly tested and certified to meet stringent quality standards before used in production. Independent testing is performed on an annual basis to verify product conformance.

Harmful Substances



Talatech Latex Foam is certified to Oeko-Tex Standard 100 to contain no harmful substances. Shirley Technologies Ltd tested Talatech Latex Foam for the Oeko-Tex Standard 100. Talatech Latex foam has been certified since 2005. The Oeko-Tex Standard 100 tests for:

Extractable Metals: Arsenic, Lead, Cadmium, Chromium, Cobalt, Copper, Nickel, Mercury, and Antimony

Extractable Chlorinated Phenols

Volatile Organic Emissions (VOC's): Formaldehyde, Toluene, Styrene, Vinylcyclohexene, 4-phenylcyclohexene, Butadiene, Vinyl chloride, Aromatic Hydrocarbons (benzene), and Organo Tin

Testing limits for these substances may be found on the Oeko-Tex website at: www.oekotex.com. Verification of the certification may also be found on the website. In addition to Oeko-Tex Standard 100 testing, Latex International has had Talatech Latex Foam tested according to ASTM D5166m Organic Emissions Testing for benzene by and

independent laboratory. No benzene was detected as an emission product down to 0.001 parts per billion.

Anti-bacterial and Anti-fungal Testing

Anti-microbial and anti-fungal testing was performed according to AATCC Test Method 100 by an independent laboratory. Test organisms used were: *Staphylococcus aureus* (gram positive bacteria), *Enterobacter aerogenes* (gram negative bacteria), *Aspergillus niger* (fungi), and *Penicillium funiculosum* (fungi). According to test procedures, samples of Talatech Latex Foam were inoculated with the test organisms and incubated. The samples were then plated and checked for bacterial or fungal growth. Both bacterial test organisms were reduced 99.8% over a 24 hour period. *Penicillium funiculosum* fungi were reduced 99.8% and *Aspergillus niger* fungi were reduced 90% over a 24 hour period indicating that Talatech Latex Foam does not provide a viable platform for bacterial and fungal growth.

Dust Mite Allergen Testing

Talatech Latex Foam was tested by independent laboratory to determine if it is an effective barrier to dust mite allergen. Talatech Latex Foam was placed between two containers, one empty and one with dust mite allergen. Steel balls were placed in the containers and the containers were rotated at 25 rotations per minute for 18 hours. The amount of allergen transferred to the empty container was then measured. The limit of detection for the test was 0.313 nanograms of allergen. No allergen was detected in the empty vial indicating that Talatech Latex Foam is an effective barrier to dust mite allergen transfer.

In Summary

- 1) Talatech Latex Foam has been certified by Shirley Technologies Ltd to Oeko-Tex Standard 100 to contain no harmful substances.
- 2) Talatech Latex Foam does not provide a viable platform for bacterial and fungal growth.
- 3) Talatech Latex Foam is an effective barrier to dust mite allergen transfer.