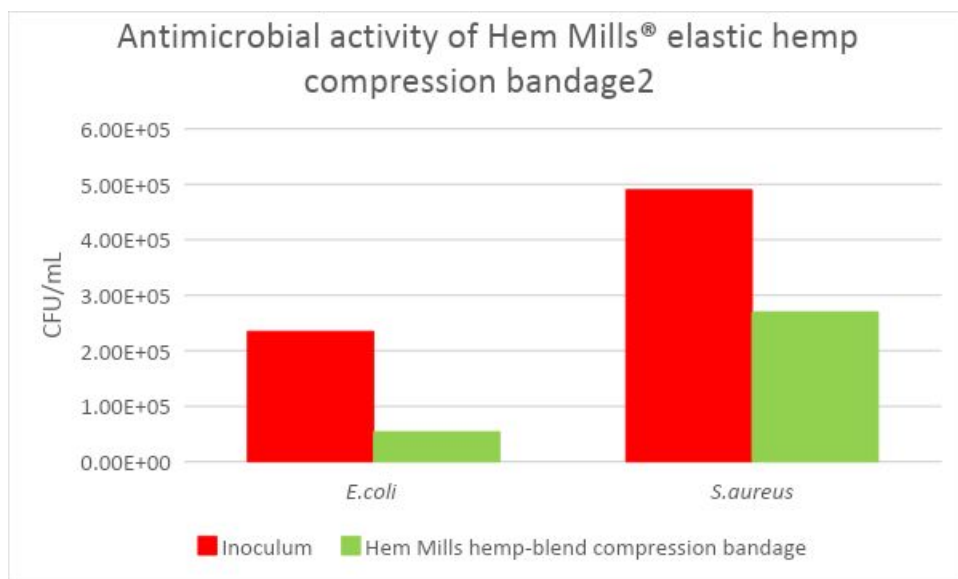


Hem Mills® elastic hemp compression bandage

Textile is a potential site for microorganism proliferation, particularly those designed to lay snug against human skin. Such contact, as is the case with compression bandages, provides optimal temperature, moisture and nutrient sources conducive to microorganism growth. Thus, the development of antimicrobial textiles to inhibit microbial growth sufficient to minimize the risk to the wearer's health and safety is crucial. Hem Mills® elastic hemp compression bandage blends eco-friendly hemp with the biocidal action of silver. Silver cations and nanoparticles (NP) have been shown to inhibit 650 different species of bacteria and demonstrate stronger antimicrobial activity at lower concentrations than other common microbicidal metal cation and NP preparations.¹



References:

1. Tan, L. *et al.* A Review of Antimicrobial Fabric Containing Nanostructures Metal-Based Compound. *Journal of Vinyl & Additive Technology*. **2017**. <https://onlinelibrary.wiley.com/doi/full/10.1002/vnl.21606> Accessed Sept 5, 2019
2. Standard Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions.* In *ASTM Volume 11.08 Pesticides, Antimicrobials, and Alternative Control Agents; Hazardous Substances and Oil Spill Response*; ASTM International, West Conshohocken, PA, 2013. DOI: 10.1520/E2149-13A, www.astm.org.

*This test is accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation L2238

