Scouring is the process of removing wax, pectin and other impurities from raw cotton to obtain a better and more even dyeing result. Conventional scouring is a water & energy consuming process that use strong alkaline to bleaching chemicals. Novozymes has developed an enzymatic alternative containing everything you need for effective pretreatment. We call it BioPrep Fusion. Enzymes shorten and simplify the scouring process and work in neutral PH and below scouring temperatures. The major difference between conventional scouring and scouring with enzymes is that the three process steps will reduce to one. This leads to significant saving in water, time and energy. Conventional souring is in fact one of the heavy water consuming steps and total manufacturing at knits and accounts for 25% of the total water consumption. By being a one-bath process, BioPrep Fusion saves to bath, that’s 2/3 of the water consumption. BioPrep Fusion also reduces effluent with high chemical load, impacting both cost and permits to operate. As for time, the enzymatic scouring process only takes half as long as conventional method. This time saved can be used for more throughput and better utilization of capacity. The direct saving from reducing 3 bathes to 1 is more than 50% in steam and electricity. Who wouldn’t want a lower energy bill and a more sustainable profile? Are you still wondering that you should change to BioPrep Fusion? BioPrep Fusion is a complete all-in-one product for cobalt use in dosing. It is reliable and gives instant absorbency every time. The efficient wax and pectin removal gives even dyeing result. Complexity is reduced, and their significant savings in water, time, energy and effluent attach to changing from conventional alkaline boiling to enzymatic process. Finally, this solution enables use of wider range of colors from dark to medium shades. Are you ready to give BioPrep Fusion a try?