

Effectiveness of various washing techniques, on reference stains

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effectiveness of various washing techniques. The 0% corresponds to the efficiency of 20 a water washing. Detergents The results demonstrate that 15 Cleaning performance (%) Soap nuts [1] thanks to the vacuum 8 stains Eco-wash-ball [1] over 9 are washed similarly as Wash-balls [1] 10 detergents, or, at least, way Vacuum (washing machine or vacuum much better than with a water chamber) washing. Furthermore compared to other ecological washing techniques, 0 the vacuum technique is the only one to show a real efficiency. We have found a way of washing clothes without surfactants with similar efficiency. It only needs degassed water using a vacuum pump. A Conclusion first prototype of washing machine under light vacuum has been able to wash with efficiency without any surfactants.

[1]: How Effective are Alternative Ways of Laundry Washing ?, A.Kruschwitz A.Augsburg R.Stamminger, Tenside Surf. Det. 50 (2013) 4