

## Indicator washcloth

### Background:

The acid mantle of the skin has a pH of about 5.5, which is slightly acidic. This protects the skin against bacteria, fungi and dryness. Therefore, skin-friendly (so-called pH skin-neutral) detergents, shampoos and shower gels have a slightly acidic pH. Soaps and low-cost cleaning products however, are often alkaline (pH above 8), which can lead to skin irritation in both infants and dermatitis patients.

### Idea:

An indicator washcloth is stained with a pH indicator. This indicator shows a colour change from green to red depending on the pH of the washing solution. Green signifies that the pH value is below 7 and is in the skin-friendly pH range, while red means that the pH is above 8, indicating that skin irritation may occur.

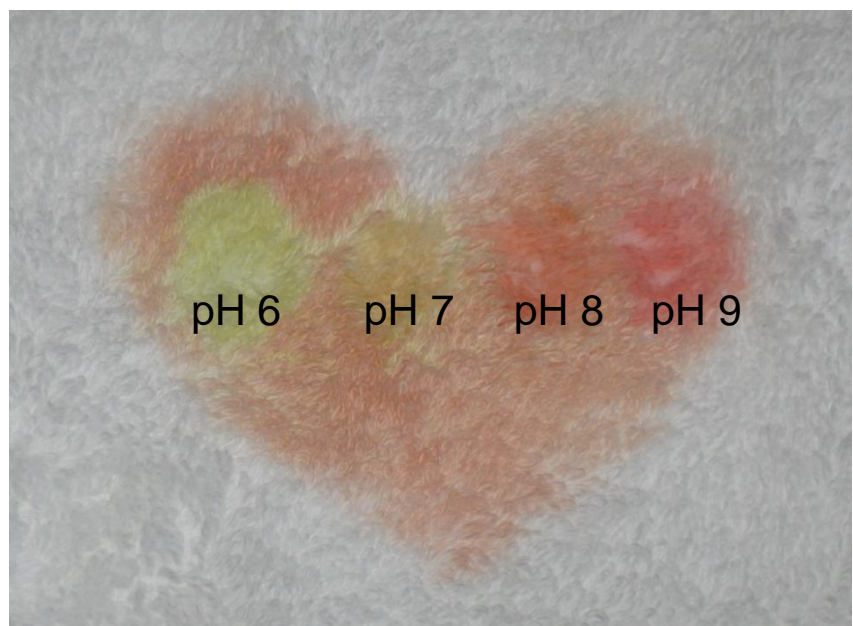
### Instructions for use:

The washcloth is designed exclusively for cleaning products used in personal care. The washcloth may be immersed into the cleaning solution (e.g. in the bathtub), or used directly during a shower. One may also test cleaning products prior to use by mixing a few drops of detergent with a little bit of water and then dipping the washcloth into the solution. The indicator washcloth only shows the pH value correctly when the measuring area (the coloured heart) is significantly wet. Before reusing the washcloth, it should be rinsed several times with tap water to remove any traces of the previous cleaning product. In order to estimate the pH accurately, a colour comparison chart can be used. The washcloth should be washed at a maximum of 60 °C and with a colour detergent only.

### Additional information:

If, after washing in a washing machine, the damp washcloth is red, there are still detergent residues in the textile and purging using a washing machine was not sufficient. The safety of the staining with the indicator dye was certified by OekoTex.

### Colour comparison with pH:



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