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Content:

The present report assesses whether a reduction in the bacterial count of dry products by treatment with the KREYENBORG - IRD infrared germ reduction process can be achieved.

Breadboard:

An extremely high with germs goods (organic fennel seed) was processed five times under standard –conditions in the pilot plant the infrared treatment. In each case a sample before and a sample after was taken and was analyzed for the microbiological examination.

Results and evaluation:

The average results of the reduction are 8×10^5 (bioburden) and 5×10^5 (enterobacteria). Each sample was above a germ reduction of 3×10^5 . All examined microorganisms (mold, Bacillus cereus, Clostridium and yeasts) were after the infrared treatment significantly below the current limit values. A change in the content and the composition of the essential oils was not observed.

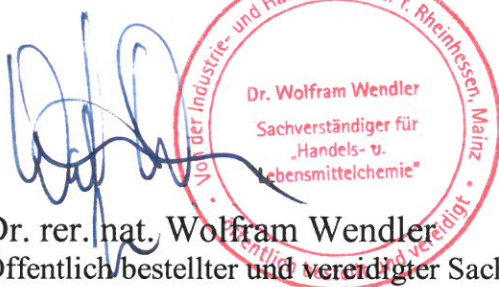
Summary:

The germ reduction by means of infrared light is significantly higher than the factor of 10^5 and is also suitable for disinfecting heavily loaded goods.

Facilities

- testreports

Mainz, den 17. Oktober 2015



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