

Leaves of blackcurrant

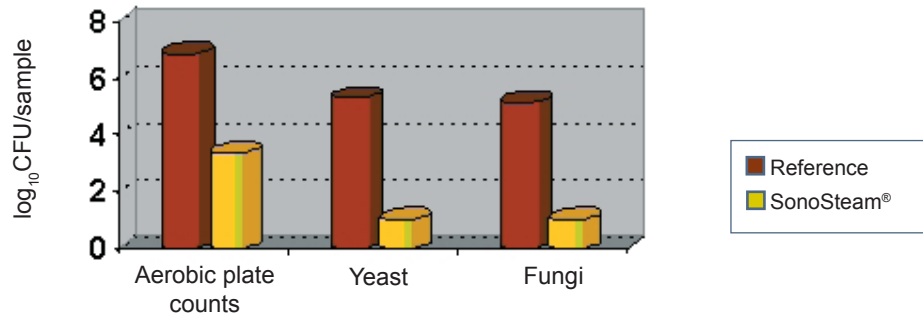
Reduction of aerobic plate counts, fungi and yeast

About the experiment

SonoSteam® has been tested on leaves of blackcurrant. The experiment was carried out at FORCE Technology in Denmark in co-operation with Arla Foods A/S (2006).

Four fresh leaves were included of which 2 were treated for 2 seconds with SonoSteam® and 2 were untreated references. Yeast, fungi and aerobic plate counts were counted.

The effect of SonoSteam® on aerobic plate counts, yeast and fungi on fresh leaves of blackcurrant



n (group) = 200	Reference	SonoSteam®	Reduction	Significance
Aerobic plate counts (Log ₁₀ CFU/sample)	6.83	3.32	3.51	N.D.
Yeast (Log ₁₀ CFU/sample)	5.28	<1	~5	N.D.
Fungi (Log ₁₀ CFU/sample)	5.1	<1	~5	N.D.

Conclusion

The SonoSteam® treatment reduces yeast and fungi 5 log₁₀ units on fresh leaves of blackcurrant, corresponding to 100.000 times or more than a 99.99 %

reduction. The reduction of aerobic plate counts was 3.5 log₁₀ units, corresponding to 3000 times or 99.97 %.

