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# **Assessment of the Influence of Symbioceutical Harmonizer Comfort on the Concentration of Airborne Particles – A Reanalysis**



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# Study

- Setting: workroom residential house, carpeted floor, unventilated, low usage
- Measurement: optical particle counter Fluke 983 (near a power socket)
- Design: prospective, controlled, repeated measurement field study
- Intervention: with and without Symbio Harmonizer Comfort, 50 hrs 20 mins each;  
control condition before and after application of Symbio Harmonizer  
Comfort
- Parameters: particle size fractions 0.3  $\mu\text{m}$ , 0.5  $\mu\text{m}$ , 1  $\mu\text{m}$ , 2  $\mu\text{m}$ , 5  $\mu\text{m}$  und >10  
 $\mu\text{m}$



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# Results

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Particle Size	Control *	Symbioceutical Harmonizer Comfort *	Effect Size d **	Confidence Interval
0.3 µm	21966	5979	2.2	1.9 < d < 2.4
	10392	2285		
0.5 µm	1849	437	0.9	0.7 < d < 1.2
	2066	203		
1 µm	369	65	0.5	0.3 < d < 0.7
	770	45		
2 µm	163	30	0.4	0.2 < d < 0.6
	390	28		
5 µm	5	1	0.3	0.1 < d < 0.5
	20	4		
>10 µm	1	0.3	0.2	0 < d < 0.4
	6	3		

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\* Mean/Standard Deviation; values rounded; \*\* small effect:  $d \geq 0.2$ , medium effect:  $d \geq 0.5$ ; large effect:  $d \geq 0.8$

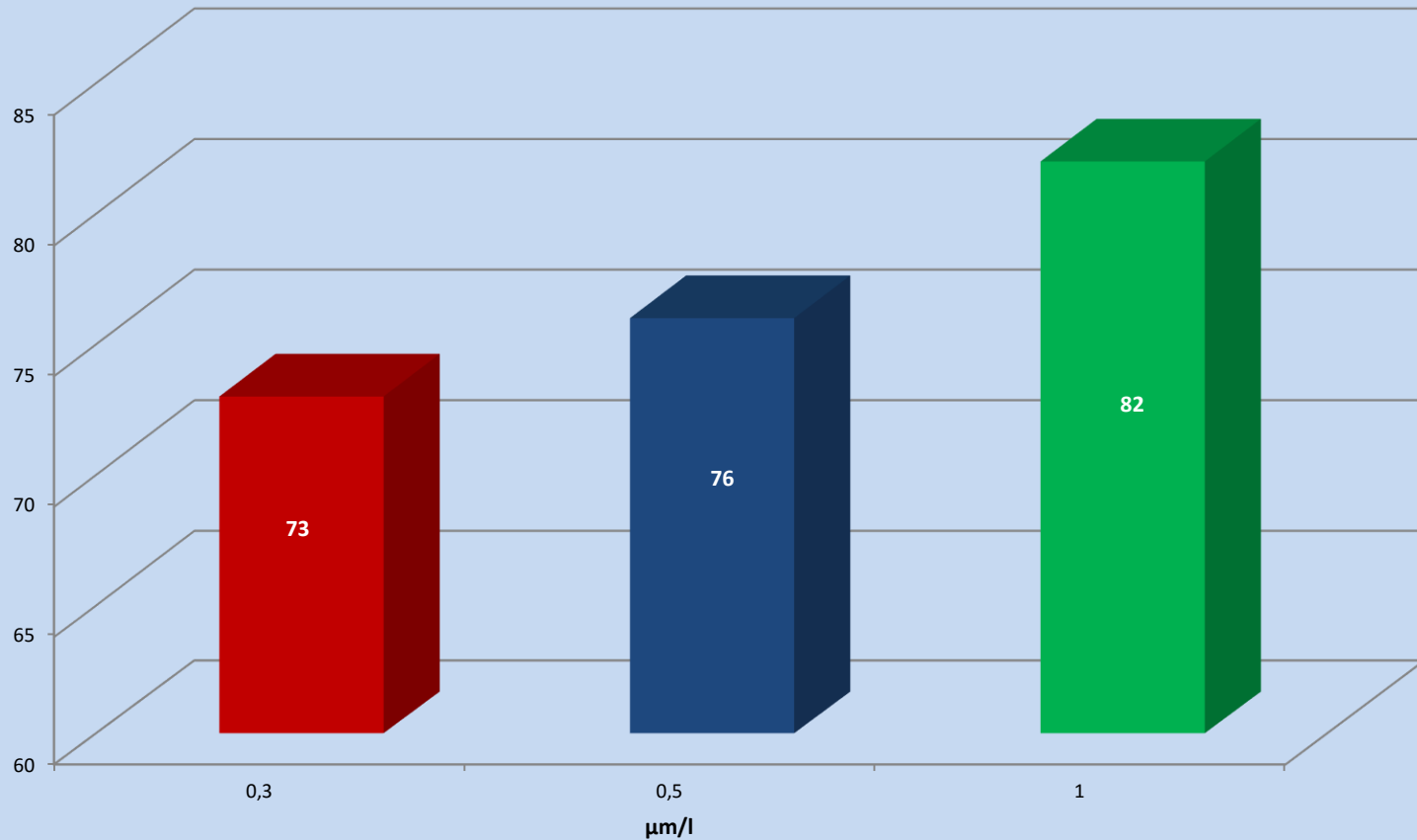


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# Results

Reduction of Particle Concentration (%)





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# Conclusion

In an unventilated room fitted with a carpeted floor, the Symbio Harmonizer Comfort produces:

- a statistically large and hygienically highly relevant improvement in air quality
- a reduction of air particle concentrations (0.3 -1  $\mu\text{m}$ ) of over 70%