

**Enclosure to the certificate of participation in the interlaboratory test GSR 2008
for the laboratory
Microscan Service SA**

Lab Code: 125

Route de la Maladière 16

1022 Chavannes-près-Renens

Description	True Value	Assigned Value*	Lab result**	s.d. used	Z - Score
Count of 0.5 µm particles correctly detected	14	13	13	1.3	0.00
Count of 0.8 µm particles correctly detected	30	29	29	2.9	0.00
Count of 1.2 µm particles correctly detected	32	31	31	3.1	0.00
Count of 2.4 µm particles correctly detected	24	23	23	1.1	0.00
Count of ≥0.8 µm particles correctly detected	86	85	85	7.1	0.00
Count of ≥1.2 µm particles correctly detected	56	55	55	4.0	0.00

*) In order to keep the conditions equal for all participants, a defect of one particle at the most over all size classes per test sample was allowed.

**) If the lab result equals the true number of particles, it is set to the assigned value (true value - 1), in order to avoid inconsistent Z scores.

Detection capability versus particle size with 95% confidence interval
(relative frequencies of particles smaller than the minimal particle size are marked in grey;
overall detection capability curve displayed in green)

50% percentile: $m_{50} < 0.5 \mu\text{m}$; 90% percentile: $m_{90} \leq 0.5 \mu\text{m}$;
saturation: $\text{sat} = 99\%$; steepness: $\text{steep} = -15$

