

Certificate

of participation in the International Proficiency Test on Identification of GSR by SEM/EDX - GSR 2011

for the laboratory

Microscan Service SA

Lab Code #02

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	38	38	38	3.8	0.00
Count of 0.7 µm particles correctly detected	30	30	30	3.0	0.00
Count of 1.0 µm particles correctly detected	33	33	33	3.1	0.00
Count of 1.5 µm particles correctly detected	32	32	32	1.3	0.00
Count of 2.0 µm particles correctly detected	27	27	27	1.0	0.00
Count of 2.5 µm particles correctly detected	27	27	27	0.8	0.00

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: $\text{sat} = 100\%$; slope: $\text{slope} = -15.0$

