

# Protocol Particle Measurement

PARMESS

MAM Cleanroom Measurement



In the following, all times are shown in local time with the corresponding UTC offset.

Print date: 10. Apr 2025 (Europe/Berlin (UTC +2:00))

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## Protocol sheet

Building: 5430 Room: MKL Test  
Equipment No.: n.d. Requirement: ISO 7.0  
Start measuring: 10. Apr 2025  
Measurement point group: Demo MPG Particle Gas 01  
Description: This is a demo measurement point group for method particle gas

## Measuring device used:

| Particle measuring device name | Flow            | Calibrated until |
|--------------------------------|-----------------|------------------|
| SIM-MKL                        | 472.000 [cm³/s] | 30. Dec 2050     |
| Diffuser Name                  |                 |                  |
| DiffusorTest2                  |                 |                  |
| Measuring notebook name        |                 |                  |
| VMWIN11MOQLERO                 |                 |                  |

## Evaluation:

Number of people present: n.d.  
Total sampling volume: 0.0849 [m³]  
Measurement duration per sample: 60 s  
Action limit for particle  $\geq 0,5 \mu\text{m}$ : 352000 [1/m³]  
Action limit for particle  $\geq 5 \mu\text{m}$ : 2930 [1/m³]  
Warning limit for particle  $\geq 0,5 \mu\text{m}$ : 1000 [1/m³]  
Warning limit for particle  $\geq 5 \mu\text{m}$ : 100000 [1/m³]

Comment: n.d.

| Measurements          |            |                |               |  |                                      |                             |                            |      |                  |
|-----------------------|------------|----------------|---------------|--|--------------------------------------|-----------------------------|----------------------------|------|------------------|
| Measurement point No. | Sample No. | Time           | Device status | Particle $\geq 0,5 \mu\text{m}$ [1/m³] | Particle $\geq 5 \mu\text{m}$ [1/m³] | Complied with Warning limit | Complied with Action limit | OCRN | Comment measurer |
| PG_MP_01              | 1          | 11:05:59+02:00 | OK            | 7                                      | 3                                    | yes                         | yes                        | O    | n.d.             |
| PG_MP_02              | 1          | 11:06:11+02:00 | OK            | 4                                      | 2                                    | yes                         | yes                        | O    | n.d.             |
| PG_MP_03              | 1          | 11:06:35+02:00 | OK            | 1                                      | 0                                    | yes                         | yes                        | O    | n.d.             |

Requirements are fulfilled: Yes

Result: O (Where O=Okay; C=Correction needed; R=Repaired; N=Not Found / Measured)

Attachment to WO: n.d.

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### Protocol sheet

|                          |                          |              |          |
|--------------------------|--------------------------|--------------|----------|
| Building:                | 5430                     | Room:        | MKL Test |
| Equipment No.:           | n.d.                     | Requirement: | ISO 7.0  |
| Start measuring:         | 10. Apr 2025             |              |          |
| Measurement point group: | Demo MPG Particle Gas 01 |              |          |
| Measured by:             | <b>Doe, John</b>         | (jdoe)       |          |
| Participants:            | n.d.                     | n.d.         |          |

Test Print