

Eppendorf Certificate

Certificate of Quality

Eppendorf Centrifuges MiniSpin[®], MiniSpin[®] plus, 5415 D, 5415 R, 5417 R, 5418, 5418 R, 5424, 5424 R, 5425, 5425 R, 5427 R, 5430, 5430 R, 5702, 5702 R, 5702 RH, 5804, 5804 R, 5810, 5810 R, 5910 R, 5910 Ri, and 5920 R

The Eppendorf Quality Management System is certified in accordance with the international standards ISO 9001, ISO 13485, and ISO 14001.

Eppendorf Centrifuges are tested in accordance with current manufacturing specifications and safety requirements.

Testing with respect to compliance within the defined limitations and tolerances includes assessment of

- > rotational speed,
- > run time,
- > cooling performance, if applicable.

For Operational Qualification by certified service personnel, documentation including the defined limitations and tolerances is available and can be provided upon request.

Hamburg, March 2021

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Limitations and tolerances

Eppendorf Centrifuge	Rotor	Rotational Speed	Temperature	Run Time
MiniSpin [®]	F-45-12-11	13,400 rpm \pm 402 rpm	$\Delta T \leq 14$ K	300 s \pm 2 s
MiniSpin [®] plus	F-45-12-11	14,500 rpm \pm 435 rpm	$\Delta T \leq 14$ K	300 s \pm 2 s
5418	FA-45-18-11	14,000 rpm \pm 100 rpm	$\Delta T \leq 12$ K	300 s \pm 2 s
5418 R	FA-45-18-11	14,000 rpm \pm 100 rpm	4 °C \pm 2 K	300 s \pm 2 s
5424 (100 V / 230 V)	FA-45-24-11	14,680 rpm \pm 100 rpm	$\Delta T \leq 18$ K	300 s \pm 2 s
5424 (120 V)	FA-45-24-11	15,000 rpm \pm 100 rpm	$\Delta T \leq 18$ K	300 s \pm 2 s
5424 R	FA-45-24-11	14,680 rpm \pm 100 rpm	4 °C \pm 2 K	300 s \pm 2 s
5425	FA-24x2	15,060 rpm \pm 40 rpm	$\Delta T \leq 17$ K	300 s \pm 3 s
5425 R	FA-45-24-11	14,680 rpm \pm 100 rpm	4 °C \pm 2 K	300 s \pm 2 s
5427 R	F-45-48-11	14,000 rpm \pm 50 rpm	4 °C \pm 2 K	300 s \pm 2 s
5427 R	F-45-30-11	14,000 rpm \pm 50 rpm	4 °C \pm 2 K	300 s \pm 2 s
5430	FA-45-30-11	14,000 rpm \pm 100 rpm	$\Delta T \leq 14$ K	300 s \pm 2 s
5430 R	FA-45-30-11	14,000 rpm \pm 100 rpm	4 °C \pm 2 K	300 s \pm 2 s
5702	F-35-30-17	4,400 rpm \pm 44 rpm	$\Delta T \leq 12$ K	300 s \pm 2 s
5702 R	A-4-38	4,400 rpm \pm 44 rpm	4 °C \pm 2 K@4400 rpm	300 s \pm 2 s
5702 RH	A-4-38	4,400 rpm \pm 44 rpm	4 °C \pm 2 K@4400 rpm 37 °C \pm 2 K@4400 rpm	300 s \pm 2 s
5804	A-4-44	5,000 rpm \pm 50 rpm	$\Delta T \leq 13$ K	300 s \pm 2 s
5804 R	A-4-44	5,000 rpm \pm 50 rpm	7 °C \pm 2 K	300 s \pm 2 s
5810	A-4-62	4,000 rpm \pm 40 rpm	$\Delta T \leq 13$ K	300 s \pm 2 s
5810	F-34-6-38	12,000 rpm \pm 40 rpm	$\Delta T \leq 16$ K	300 s \pm 2 s
5810	A-4-81	4,000 rpm \pm 40 rpm	$\Delta T \leq 13$ K	300 s \pm 2 s
5810 R	A-4-62	4,000 rpm \pm 40 rpm	6 °C \pm 2 K	300 s \pm 2 s
5810 R	F-34-6-38	12,000 rpm \pm 40 rpm	13 °C \pm 2 K	300 s \pm 2 s
5810 R	A-4-81	4,000 rpm \pm 40 rpm	8 °C \pm 2 K	300 s \pm 2 s
5910 R	S4xUniversal	4,500 rpm \pm 40 rpm	4 °C \pm 2 K	300 s \pm 3 s
5910 Ri	S4xUniversal	4,500 rpm \pm 40 rpm	4 °C \pm 2 K	300 s \pm 3 s
5920 R	S4xUniversal-Large	4,500 rpm \pm 40 rpm	4 °C \pm 2 K	300 s \pm 3 s

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