

Certificate-No.: 2022 01 19011

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ATOMIZER AEROSOL GENERATOR ATM 226

Serial no.: 226 18 04 449

Identification: C92

Nozzle no.: 1898

Protective grounding ☒

Functional test at 100VAC ☒

Measured data

Pressure for opening the safety valve: 0.60 bar

Check of aerosol specification at 22SKT (250l/h)	Mean particle size μm	Number concentration Particle/cm ³	Volumetric flow rate l/min
Upper limit:	1.0	$1.80 \cdot 10^7$	4.40
Measured value **)	0.9	$0.98 \cdot 10^7$	4.15
Lower limit	0.8	$0.80 \cdot 10^7$	3.90

Measurements of the aerosol concentration were made by using an aerosol monitor. The noted values are significant quality parameters. By realising the limits, the aerosol specifications which are shown at next page are guaranteed.

Following measuring instruments were used

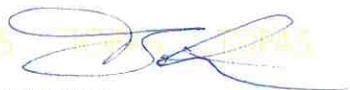
Type	Manufacturer	Identification	last calibration	Certificate number	next calibration
Laminar flow meter FCO96 F-30L	Furness Controls	0109305 / -306	04/2020	DFCG16310	04/2022
Protective earth tester Metratester 5+	Gossen Metrawatt	M700DTL1845	05/2021	2021-2860	05/2022
Pressure indicator 0...1.0bar	WIKA				
Process aerosol monitor PAM 510	Topas	510 94 01 302	05/2021	2012 05 17695	05/2022

Last and next calibration dates are end-of-month dates.

Verification and calibration are done according to TOPAS internal quality management procedure. The manufacturer guarantees that the instrument fulfils the technical specification as defined in the instruction manual.

Dresden, 2022-01-18

tested by: Michael Böhm



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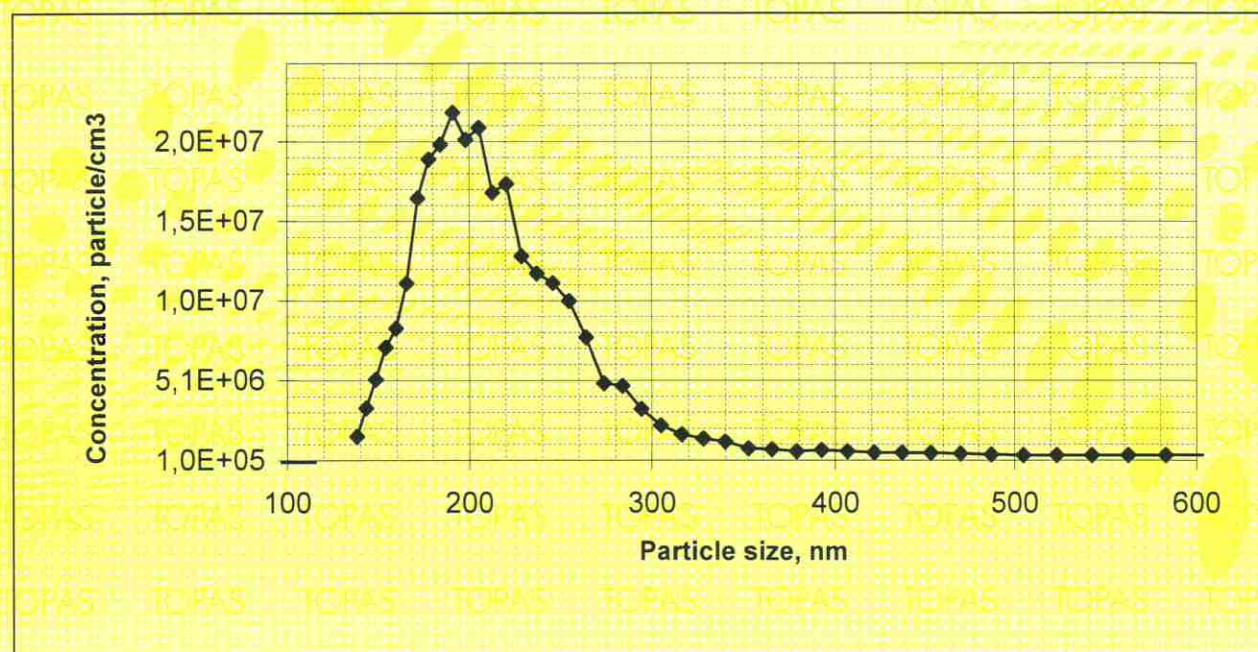


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Specification of the DEHS-Aerosol

Number concentration

Table	Particle/cm ³	Particle/cf
Total number concentration	$>10^8$	$2.8 \cdot 10^{12}$
Number concentration (Size 0.3 up to 0.5 μm):	$1.5 \cdot 10^7$	$4.2 \cdot 10^{11}$
Number concentration (Size 0.5 up to 1.0 μm):	$8 \cdot 10^6$	$2.3 \cdot 10^{11}$



Particle size distribution of a DEHS aerosol measured by a Scanning Mobility Particle Sizer (TSI, Inc.)

