Zelenograd
nanotechnology
center

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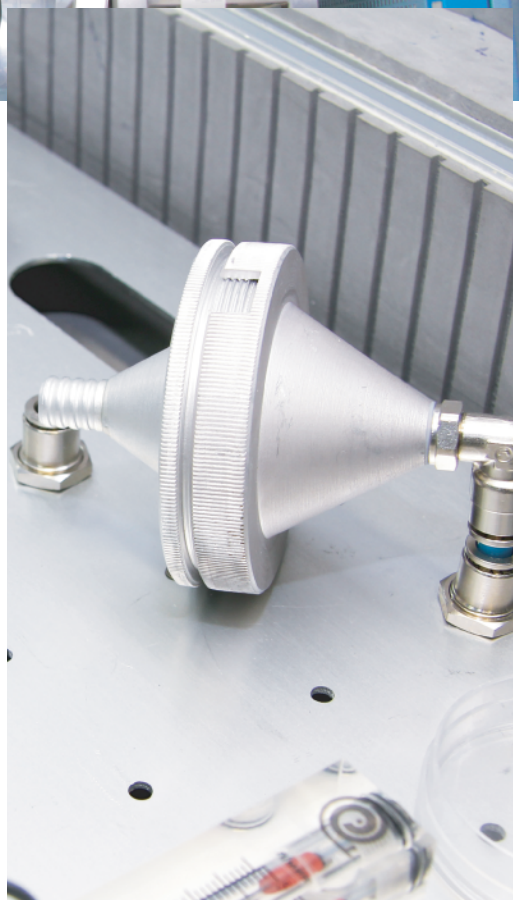
Validation of cleanrooms



Clean environment qualification

- Determination of the concentration of aerosol particles
- Air flow analysis
- Differential pressure measurements
- Tests of the installed filtration systems integrity
- Air flow direction tests, air flow visualization
- Temperature and humidity uniformity tests
- Tests of the walling hermeticity

Conforms to the standard
ISO/IEC 17025:2005
(GOST ISO/IEC 17025-2009)

Clean environment qualification
GOST R ISO 14644 (1-10),
GOST ISO 13485

Accreditation certificate
№ AAC.A.00415 от 05.02.2019

Grades 9ISO to 1ISO (D to A)
Stages DQ...PQ

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Tasks

Qualification of cleanrooms;

Annual planned requalification;

Reducing the level of defective products;

Improving the quality of production and research processes.

Advantages

Tools and equipment that allows certification of clean environments up to 1ISO class;

Certified employees;

Individual approach to each client;

Experience in certification of clean environments in micro- and nanoelectronics;

Cleanrooms equipping;

Cooperation with the Association of Analytical Centers

Why do you need qualification/validation of clean environments?

It reduces the number of defects in manufactured products/devices, ultimately increasing the competitiveness of manufactured products.

It increases the percentage of yield of good products, reduces their cost and increases profits.

It increases the reliability of ongoing scientific research, subsequently reducing the cost of R&D.

It improves the quality of laboratory measurements/studies, which increases their efficiency.