

MIC SAS[®] II 5800

SUB-SIEVE AUTOSIZER



OPERATOR TRAINING CHECKLIST

580-42870-03
Nov 2024
(Rev A)

MICROMERITICS CORPORATE PROFILE

Micromeritics is the global leader in analytical instrumentation for the physical characterization of particles, powders, and porous materials. Our advanced technologies provide precise measurement of density, surface area, porosity, activity, and powder flow, supporting research, product development, and quality control. Serving industries like materials science, chemicals, energy, and natural resources, our instruments enable critical advancements in fields such as battery materials, hydrogen economy, and carbon capture. Founded in 1962, Micromeritics operates globally with over 15,000 instruments in daily use, delivering expert support and cutting-edge solutions from our U.S. headquarters and international locations. For more information, please visit www.micromeritics.com.

PATENTS

For patent information, visit www.Micromeritics.com/patents.

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DOCUMENT REVISION HISTORY

REV	ECN #	Description of Change	Checked By	Date
-	190001	Formal Release	M. Austin	7/2/2019
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CONTACT US

Micromeritics Instrument Corporation

4356 Communications Drive
Norcross, GA 30093-2901 USA
Phone: 1-770-662-3636
www.Micromeritics.com

Instrument Service or Repair

Phone: 1-770-662-3636
International: Contact your local distributor or call 1-770-662-3636
Service.Helpdesk@Micromeritics.com

Micromeritics Application Support

Support@Micromeritics.com

1. OVERVIEW

This document contains a checklist to be used for training of MIC SAS II 5800 system operators. Place a check mark next to the items that were shown and discussed.

2. ORIENTATION

- _____ 1. General safety
- _____ 2. Operator Manual organization and conventions
- _____ 3. Equipment description
- _____ 4. Power up and power down
- _____ 5. Standby mode
- _____ 6. Instrument and cable connections
- _____ 7. Front and rear panel components
- _____ 8. Piston and anvil
- _____ 9. Menu structure
- _____ 10. Software usage topics
- _____ 11. Trainee allowed time to become familiar with software application

3. SOP

- _____ 1. SOP defined and discussed
- _____ 2. Review Records created after analysis
- _____ 3. Review Reports after analysis

4. SAMPLE RUN

- _____ 1. Run types
- _____ 2. Sample run
- _____ 3. Starting and viewing analyses
- _____ 4. Operation verification

5. ANALYSIS REPORTS

- _____ 1. Reports in *Records* view
- _____ 2. Printed reports
- _____ 3. Importing and exporting reports

6. TROUBLESHOOTING AND MAINTENANCE

- _____ 1. Troubleshooting
- _____ 2. Error messages (Refer to Micromeritics Website,)
- _____ 3. Preventive maintenance procedures (Refer to Instrument Operators Manual.)
- _____ 4. Clean the equipment
- _____ 5. Recover from a power failure
- _____ 6. Diagnostics

7. RETURNED GOODS AND PARTS ORDERING

- _____ 1. Returned goods policy
- _____ 2. Parts and accessories

8. WARRANTY STATEMENT

- _____ 1. Warranty policy

10. VERIFICATION

_____ All items on the Operator Training Checklist completed? (Enter **Yes** or **No**)

Name of trainer: _____

Date of training: _____

Company address: _____

Analyzer name: _____

Analyzer serial number: _____

The following section is to be completed by the primary operator trained during this session.
Please complete to acknowledge that installation training has been carried out to your satisfaction.

Operator verifying completion of training: _____

Date signed: _____

Operator's title: _____

Operator's phone number: _____



UK DECLARATION OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer:

Micromeritics Instrument Corporation
4356 Communications Drive
Norcross, GA 30093, USA

Hereby declares that the product:

MIC SAS II

is in conformity with the following UK legislation:

Electrical Equipment (Safety) Regulations 2016

Electromagnetic Compatibility Regulations 2016

Restriction of the Use of Certain Hazardous Substances in E&E Equipment Regulations 2012

and that the equipment is in conformity with the following designated and other appropriate standards;

Electrical Equipment (Safety) Regulations 2016

IEC 61010-1:2010/AMD1:2016 - *Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements.*

IEC 61010-2-081:2019 – *Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.*

Electromagnetic Compatibility Regulations 2016

IEC 61326-1:2020 - *Electrical equipment for measurement, control and laboratory use — EMC requirements — Part 1: General requirements*

IEC 61000-3-2:2019 - *Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)*

IEC 61000-3-3:2013 - *Part 3-3: Limits — Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection*

Restriction of the Use of Certain Hazardous Substances in E&E Equipment Regulations 2012

EN 63000:2018 - *Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances*

Name: John McCaffrey, Ph.D.

Title: Vice President, R & D

Signature: 

Date of issue: 10/23/2024

Location: Norcross, GA USA



EU DECLARATION OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer:

Micromeritics Instrument Corporation
4356 Communications Drive
Norcross, GA 30093, USA

Hereby declares that the product:

MIC SAS II

is in conformity with the following **EU harmonization legislation**:

2014/35/EU - LVD Directive
2014/30/EU - EMC Directive
2011/65/EU - RoHS Directive

and that the equipment is in conformity with the following harmonized and other appropriate standards;

2014/35/EU (LVD)

IEC 61010-1:2010/AMD:2016 - *Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements.*

IEC 61010-2-081:2019 – *Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.*

2014/30/EU (EMC)

IEC 61326-1:2020 Ed.3 - *Electrical equipment for measurement, control and laboratory use — EMC requirements — Part 1: General requirements*

IEC 61000-3-2:2018 /AMD1:2020 - *Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)*

IEC 61000-3-3:2013 - *Part 3-3: Limits — Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection*

2011/65/EU (RoHS)

EN 63000:2018 - *Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances*

Name: John McCaffrey, Ph.D.

Title: Vice President, R & D

Signature: 

Date of issue: 10/23/2024

Location: Norcross, GA USA