# NIOSH CBRN and NFPA 1981
# Approval Confirmation

| SCBA Manufacturer Information | |
|---|---|
| Manufacturer | Interspiro USA, Inc. |
| Address | 10225 82nd Avenue |
| | Pleasant Prairie, WI 53158-5801 |
| Manufacturer Representative | Mr. Michael Swofford |
| SCBA Model | Spiromatic S8 |

| NIOSH Application Information | |
|---|---|
| 42 CFR Part 84 Approval No./Task No. | TC-13F-0781, TC-13F-0782, TC-13F-0783, and TC-13F-0784 – TN-19537 |
| CBRN Approval No./Task No. | TC-13F-0781CBRN, TC-13F-0782CBRN, TC-13F-0783CBRN, and TC-13F-0784CBRN – TN-19942 |
| CBRN Assembly Matrix/Revision No. | A55159ACBRNAMa.xlsx revision A55159ACBRN, Dated November 17, 2014 |
| Tentative Approval Letter Date | January 22, 2015 |

| SEI Submittal Information | |
|---|---|
| SEI Reference Number | SBA INS 07 + Variants & Accessories |
| Submittal Date | December 16, 2012 |

| | New Approval | Extension of Approval |
|---|---|---|
| Type of Submittal | √ | |

| | Yes/No |
|---|---|
| Does SCBA Comply With EOSTI Requirement covered by Paragraph 6.2.6 of NFPA 1981-2013 (i.e., EOSTI shall activate at 33 %, +5/-0 % of full cylinder pressure? (to be completed by NIOSH) | YES |

| | Yes/No |
|---|---|
| Does SCBA Comply With EBSS Performance Requirements covered by Sections 7.20 & 8.27 of NFPA 1981-2013? (to be completed by SEI) | YES |

NIOSH CBRN Compliance Statement: This document will serve to confirm that the SCBA Model indicated above (covered by the above noted NIOSH Task Number) has successfully completed all of the applicable requirements of the **NIOSH 42 CFR Part 84 and CBRN Approval Program**.

DAVID CHIRDON, Chief

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|---|---|
| Authorized NIOSH Representative | ~~Jon Szalajda, Acting~~ Technology Evaluation Branch |
| Date: | |

NFPA 1981-2013 Compliance Statement: This letter document will serve to confirm that the SCBA Model indicated above (covered by the above noted SEI Reference Number & Submittal Date) has successfully completed all of the applicable requirements of **NFPA 1981, *Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services*, 2013 Edition.**

| | |
|---|---|
| Authorized SEI Representative | Stephen R. Sanders, Technical Director |
| Date: January 22, 2015 | Stephen R. Sanders |

DEPARTMENT OF HEALTH & HUMAN SERVICES

Centers for Disease Control and Prevention (CDC)
National Institute for Occupational Safety and Health (NIOSH)
National Personal Protective Technology Laboratory (NPPTL)
P.O. Box 18070
Pittsburgh, PA 15236-0070
Phone: 412-386-4000
Fax: 412-386-4051

NIOSH Reference: TN-19942
Mfr. Reference: ISP111714CBRN

January 22, 2015

Mr. Michael Swofford
Product Manager
Interspiro USA, Inc.
10225 82nd Avenue
Pleasant Prairie, WI 53158-5801

Dear Mr. Swofford:

The National Institute for Occupational Safety and Health (NIOSH) has reviewed your request dated November 17, 2014 and accepted November 21, 2014, seeking four new Open-Circuit, Pressure-Demand, Entry and Escape, CBRN, Self-Contained Breathing Apparatus (SCBA) for Chemical, Biological, Radiological, and Nuclear (CBRN) protection for the model Spiromatic S8, the configuration of which are defined on assembly matrix A55159ACBRNAMa.xlsx revision A55159ACBRN Matrix dated November 17, 2014.

These respirators have met the NIOSH requirements of Title 42, *Code of Federal Regulations,* Part 84 (42 CFR 84) under TN-19537 under approval numbers TC-13F-0781, TC-13F-0782, TC-13F-0783, and TC-13F-0784 as defined on assembly matrix A55159AAMa.xlsx, revision A55159A Matrix 42 CFR Part 84 dated February 24, 2014.

This request is granted. The approval numbers shown in the following table have been assigned for the four new respirator configurations defined on assembly matrix A55159ACBRNAMa.xlsx revision A55159ACBRN Matrix dated November 17, 2014. Approvals are granted only for documentation written in the English language. It is the manufacturer's responsibility to correctly translate materials desired in languages other than English.

| Approval Number TC- as shown | Model Number | Description | Protection[1] |
|---|---|---|---|
| TC-13F-0781CBRN | Spiromatic S8 | 30 MIN 2216 PSIG | SC/PD/CBRN/EOSTI-33 |
| TC-13F-0782CBRN | Spiromatic S8 | 30 MIN 4500 PSIG | SC/PD/CBRN/EOSTI-33 |
| TC-13F-0783CBRN | Spiromatic S8 | 45 MIN 4500 PSIG | SC/PD/CBRN/EOSTI-33 |
| TC-13F-0784CBRN | Spiromatic S8 | 60 MIN 4500 PSIG | SC/PD/CBRN/EOSTI-33 |

[1]Protection - Codes are defined on the approval labels.

The configurations identified under TC-13F-0781CBRN, TC-13F-0782CBRN, TC-13F-0783CBRN, and TC-13F-0784CBRN have met the NIOSH requirements for CBRN protection under the provisions of Title 42, *Code of Federal Regulations*, Part 84 (42 CFR 84), and the NIOSH Letter to All Respirator Manufacturers, dated December 28, 2001. Additionally, the Spiromatic S8 configurations have been evaluated by the Safety Equipment Institute (SEI) as a configuration meeting the requirements of **NFPA 1981, *Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services*, 2013 Edition,** (see attached letter).

The CD enclosed with this letter contains the final respirator approval labels. The cautions and limitations which apply to these approvals are on the approval labels. Only those assemblies affected by this request, or where new approval numbers are assigned, apply to this approval action. Production approval labels cannot include information on unapproved configurations.

The use of this approved device in combination with any other additional respirator components not covered under this approval renders this certification invalid.

The approved assemblies consist of the parts as listed on the approval labels and the assembly matrices. Parts are to be marked with the numbers indicated on the approval label in a legible and permanent manner (marking cannot be removed without evidence of its previous presence).

This certificate of approval is not an endorsement of the respirators by NIOSH, and such endorsement shall not be stated or implied in advertisements or other publicity. However, you may publicize the fact that these respirators have met the requirements of Title 42, *Code of Federal Regulations*, Part 84 (42 CFR 84).

No additional changes may be made to any respirators and accompanying documentation without prior written approval of NIOSH. Requests for changes must be submitted to NIOSH and a modification of this approval must be granted before any changes are made.

Sincerely yours,

David Chirdon
Chief, Technology Evaluation Branch
National Personal Protective Technology Laboratory

Enclosures

January 22, 2015

Mr. Michael Swofford
Product Manager
Interspiro USA, Inc.
10225 82nd Avenue
Pleasant Prairie, WI 53158-5801

**Certification Letter**
**SEI Ref. No.: SBA INS 07/Variant 710**

Dear Mr. Swofford:

We are pleased to confirm that the integrated nonremovable PASS device indicated below is certified by the Safety Equipment Institute, effective January 22, 2015. Certification was successfully completed in accordance with the requirements of ***NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services, 2013 Edition*** and ***NFPA 1982, Standard on Personal Alert Safety Systems (PASS), 2013 Edition***.

| Brand Name | Model No. | Description (+) |
|---|---|---|
| Spiromatic S8 PASS Device | S8 PASS | Nonremovable PASS Device integrated with Spiromatic S8 2216 psig or 4500 psig SCBA |

The S8 PASS device integrated with Spiromatic S8 SCBA was submitted for certification to both NFPA 1981-2013 and NFPA 1982-2013 with your letter of December 13, 2012. Testing and evaluation for the submittal, was authorized on December 16, 2012 and completed on January 15, 2015.

The SEI Certification Mark may be used in the marketing, packaging and promotion of the model detailed above, in accordance with the provisions of the SEI Certification Program Manual.

Per the SEI Certification Program Manual, SEI shall certify the manufacturer's product model(s) and grant the right to use the SEI certification mark when 1) the Testing Laboratory has determined that the product model submitted and tested successfully meets the appropriate product standard, 2) the Quality Assurance Auditor has determined that the manufacturer complies with SEI quality assurance requirements through an on-site audit, including a review of the quality manual and procedures, 3) the manufacturer has paid all fees, and 4) product liability insurance requirements are met.

Following initial certification, all product models are tested, at least annually, and are selected by the SEI auditor during the annual quality assurance audit. SEI's certification program is accredited as a System Type 5 per ISO/IEC Guide 17067:2013(E).

Thank you for your participation in the SEI Certification Program. If you have any questions, please contact the SEI Office.

Sincerely,

Stephen R. Sanders
Technical Director

Patricia A. Gleason
President

cc: Mr. Jonathan Szalajda, NIOSH-NPPTL
Mr. Tim Kramer, SEI Auditor

January 22, 2015

Mr. Michael Swofford
Product Manager
Interspiro USA, Inc.
10225 82nd Avenue
Pleasant Prairie, WI 53158-5801

**Certification Letter**
**SEI Reference No.: SBA INS 07**

Dear Mr. Swofford:

We are pleased to confirm that the SCBA indicated below is certified by the Safety Equipment Institute, effective January 22, 2015. Initial certification testing was successfully completed in accordance with the requirements of ***NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services, 2013 Edition***.

| SEI Reference No. | Brand Name/Model No. | NIOSH/SEI Assembly Matrix No./Revision | Passed Testing |
|---|---|---|---|
| SBA INS 07 with associated variants and accessories | Spiromatic S8 SCBA (+)<br>30 min. duration, 2216 psig<br>30 min. duration, 4500 psig<br>45 min. duration, 4500 psig<br>60 min. duration, 4500 psig | A55159ACBRN<br>Dated Nov. 17, 2014 | Jan. 16, 2015 |

(+) – Includes compliance with optional Emergency Breathing Safety Systems requirements, when equipped.

The Spiromatic S8 SCBA was submitted for NFPA 1981-2013 certification with your letter of December 13, 2012. Testing for the submittal, which covers configurations as noted in the above NIOSH/SEI Assembly Matrix, was authorized on December 16, 2012. Notification of NIOSH 42 CFR 84 approval has been received from NIOSH and is on file.

Additionally, SEI has received confirmation (see attached) from NIOSH that configurations as shown on NIOSH CBRN Approval Numbers TC-13F-0781CBRN, TC-13F-0782CBRN, TC-13F-0783CBRN, and TC-13F-0784CBRN have successfully completed NIOSH CBRN testing.

The SEI Certification Mark may be used in the marketing, packaging and promotion of the model detailed above, in accordance with the provisions of the *SEI Certification Program Manual*. Per the SEI Certification Program Manual, SEI shall certify the manufacturer's product model(s) and grant the right to use the SEI certification mark when 1) the Testing Laboratory has determined that the product model submitted and tested successfully meets the appropriate product standard, 2) the Quality Assurance Auditor has determined that the manufacturer complies with SEI quality assurance requirements through an on-site audit, including a review of the quality manual and procedures, 3) the manufacturer has paid all fees, and 4) product liability insurance requirements are met.

Following initial certification, all product models are tested, at least annually, and are selected by the SEI auditor during the annual quality assurance audit. SEI's certification program is accredited as a System Type 5 per ISO/IEC Guide 17067:2013(E).

Thank you for your participation in the SEI Certification Program. If you have any questions, please contact the SEI Office.

Sincerely,

Stephen R. Sanders
Technical Director

Patricia A. Gleason
President

cc: Mr. Jonathan Szalajda, NIOSH-NPPTL
Mr. Tim Kramer, SEI Auditor