

# **NIOSH Conformity Assessment Interpretation Notice**

**NIOSH CA 2019-1017  
May 2019**

**NIOSH acceptance of breathing gas cylinders marked in accordance with 49  
C.F.R. Part 178 and ISO 11119-2**



**Centers for Disease Control  
and Prevention**  
National Institute for Occupational  
Safety and Health

**Subject: NIOSH acceptance of breathing gas cylinders marked in accordance with 49 C.F.R. Part 178 and ISO 11119-2**

1 SUMMARY

Pursuant to 42 C.F.R. Part 84 (see § 84.81(a)), NIOSH requires that compressed breathing gas and liquefied breathing gas containers (cylinders) must meet minimum requirements of the Department of Transportation (DOT) for interstate shipment of such containers when fully charged. Cylinders conforming to International Organization for Standardization (ISO) 11119-2, *Gas cylinders of composite construction – Specification and test methods – Part 2: Fully wrapped fiber reinforced composite gas cylinders with load-sharing liners* and bearing a DOT competent authority approval are considered to be in compliance with DOT regulations for transportation to, from, and within the United States.

**NIOSH considers cylinders originating in Canada (CAN) that are in compliance with DOT regulations to be in compliance with the requirements in 42 C.F.R. Part 84.**

2 AUTHORITY

[Approval of Respiratory Protective Devices, 42 C.F.R. Part 84](#)

3 REFERENCES

[Approval of Respiratory Protective Devices, 42 C.F.R. Part 84](#)

[General Information, Regulations, and Definitions, 49 C.F.R. Part 171](#)

[Specifications for Packaging's, 49 C.F.R. Part 178](#)