



CGA G-1.1—2017
COMMODITY SPECIFICATION
FOR ACETYLENE

FIFTH EDITION

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Work Item 16-021
Acetylene Committee

NOTE—Technical changes from the previous edition are underlined.

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1 Scope

This publication describes specification requirements for gaseous acetylene as listed in Table 1.

NOTE—This publication does not attempt to recommend or establish end usage designations for specific types or grades of products. It is suggested that users requiring this kind of information contact individual acetylene gas suppliers.

2 Definitions

For the purpose of this publication, the following definitions apply.

2.1 Publication terminology

2.1.1 **Shall**

Indicates that the procedure is mandatory. It is used wherever the criterion for conformance to specific recommendations allows no deviation.

2.1.2 **Should**

Indicates that a procedure is recommended.

2.1.3 **May**

Indicates that the procedure is optional.

2.1.4 **Will**

Is used only to indicate the future, not a degree of requirement.

2.1.5 **Can**

Indicates a possibility or ability.

2.2 **Technical definitions**

2.2.1 **Authority having jurisdiction (AHJ)**

Organization, office or individual responsible for approving equipment, an installation, or a procedure.

2.2.2 **Lot**

An amount of a product produced during a period of time indicated by a specific code or some other unique identifying characteristic. For lot examples, see 4.3.1.

2.2.3 **Percent (v/v)**

Parts per hundred by volume

2.2.4 **ppm (v/v)**

Parts per million

3 Classification

3.1 Quality verification levels (grades)

Table 1 presents the component maxima, in parts per million (ppm (v/v)) unless shown otherwise, for the quality verification levels of gaseous acetylene. A blank indicates no maximum limiting characteristic. The absence of a listed quality verification level does not mean to imply that the limiting characteristic is or is not present, but merely indicates that the test is not required for compliance with the specification. Typical uses are listed in Table 2.