



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Organization:

Red Ball Technical Gas Services.
555 Craig Kennedy Way, Shreveport, LA 71107

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

**ISO 17034:2016
& the relevant requirement of ISO/IEC 17025:2017**

Whereby, technical competence has been confirmed for the associated scope supplement as a:

Gas Mixture Reference Materials and Certified Reference Materials
(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

October 12, 2022

Issue Date:

January 16, 2025

Expiration Date:

February 28, 2027

Accreditation No.:

62754

Certificate No.:

L25-30

*The validity of this certificate is maintained through ongoing assessments based
on a continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*



Certificate of Accreditation: Supplement

Red Ball Technical Gas Services

555 Craig Kennedy Way, Shreveport, LA 71107
Contact Nam: Ms. LaMeka Dennis Phone: (318) 425-3211

Accreditation is granted to the facility to perform the following conformity assessment activities:

TYPE OF RM	REFERENCE MATERIAL CATEGORIES	ITEMS, MATRIX MATERIALS OR PRODUCTS	SPECIFIC CONSTITUENTS OR PROPERTIES	APPROACH USED TO ASSIGN PROPERTY VALUES	LOCATION OF ACTIVITY	FLEX CODE
RM/CRM	Chemical	Calibration Gas Cylinder	Gas Mixture Concentration	Characterization using a single reference measurement procedure in a single laboratory & Characterization based on mass/volume of ingredients used in preparation	F	F1, F3, F4, F6, F8

1. Location of activity:

Location Code

F

Location

Conformity assessment activity is performed at the CABs fixed facility

2. Flex Codes:

- F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.
- F1- The RMP has the ability to introduce a new product for an accredited class or type of reference material
- F2- The RMP has the ability to introduce a new range for an accredited reference material
- F3- The RMP has the ability to introduce a new compound/analyte using an accredited class or type of reference material
- F4- The RMP has the ability to introduce a new version a standard method (with no modifications) for a test method used in the Reference Material Producer's laboratory and referenced on the scope of accreditation
- F5- The RMP has the ability to introduce a new parameter/component/analyte for a method or a technology used in the Reference Material Producer's laboratory and referenced on the scope of accreditation
- F6- The RMP has the ability to introduce a new measurement range to an accredited technology used in the Reference Material Producer's laboratory and referenced on the scope of accreditation
- F7- The RMP has the ability to introduce a new version or modifications of a non-standard method for a technology used in the Reference Material Producer's laboratory and referenced on the scope of accreditation
- F8- The RMP has the ability to introduce a new testing method that is equivalent to a method for a technology used in the Reference Material Producer's laboratory and referenced on the scope of accreditation



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- 3 Per APLAC TC008 sections 6.5 & 6.6 "For CRMs, the scope of accreditation shall be expressed in terms of a best Reference Value Capability which shall include the RMP's estimate of its least uncertainty of measurement (U_{CRM}) for each property value's range it reports. ... CRMs that are an identification value (such as species identification) or where the property value is an ordinal number (such as a color fastness chart) do not require an uncertainty of measurement to be stated in the scope of accreditation." Per section 6.3 "An accredited RMP is not permitted to report on a RM certificate an uncertainty of property value which is less than or better than that stated in its scope of accreditation." Per section 6.12 "The uncertainty covered by the Reference Value Capability shall be expressed as the expanded uncertainty having a specific coverage probability (often 95 %). The unit of the uncertainty shall always be the same as that of the property value or in a term relative to the property value, for example a percentage or ratio of the property value." See sections 6.7 through 6.11 for additional information.

