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AMENDMENT 1
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Liquefied petroleum gases — Assessment of the dryness of propane — Valve freeze method

AMENDMENT 1

Gaz de pétrole liquéfiés — Évaluation de la siccité du propane — Méthode de givrage de vanne

AMENDEMENT 1

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Liquefied petroleum gases — Assessment of the dryness of propane — Valve freeze method

AMENDMENT 1

Normative reference

Replace reference to ISO 4257:1988 with the following.

ISO 4257, *Liquefied petroleum gases — Method of sampling*

Clause 7

Add the following new Clause 7 and renumber all subsequent clauses and subclauses accordingly.

7 Apparatus verification

Verify the correct flow rate through the valve in accordance with the procedure given in Annex A. Valves that cannot be adjusted to meet the requirements of the verification procedure or those suspected of being otherwise defective shall be returned to the manufacturer for recondition and recalibration.

Annex A

Add the following annex.

Annex A
(normative)

Verification of the correct flow rate through the valve

A.1 Apparatus

A.1.1 **Flow meter**, calibrated in ml/min, capable of reading within the range 500 ml/min to 900 ml/min.

A.1.2 **Reference valve**, with a flow rate calibration certificate.

A.1.3 **Adaptor and seal**, to connect the valve vent hole to the flow meter.

A.2 Materials

A.2.1 **Verification gas,** nitrogen, capable of being provided at a pressure of 275 kPa ± 5 kPa at 21 °C.

A.3 Procedure

A.3.1 The flow rate is measured via the side vent hole in the valve with the valve set in the analysis mode.

NOTE Using a flow meter with the valve set in the purge mode can damage the flow meter, as the flow rate in the purge mode is approximately 5 l/min.

A.3.2 Connect the reference valve (A.1.2) to the nitrogen source and using the adaptor and seal (A.1.3), connect the flow meter (A.1.1).

A.3.3 Set the reference valve (A.1.2) in the purge mode and open the nitrogen source (see Note to A.3.1). Set the valve in the analysis mode and check that the flow rate is 700 ml/min ± 100 ml/min.

A.3.4 Shut off the nitrogen supply and replace the reference valve with the test valve.

A.3.5 Set the LPG freeze test valve (5.1) in the purge mode and open the nitrogen source. Set the test valve to the analysis mode and read the flow meter. For the valve to be functioning correctly the flow rate shall be between 600 ml/min and 800 ml/min.

A.3.6 If the flow rate through the valve is outside the range 600 ml/min to 800 ml/min, adjust the valve in accordance with the manufacturer's instructions.

A.3.7 If the valve cannot be adjusted to come into range, return it to the manufacturer for recondition and recalibration.

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