

Certificate of Analysis

Air Products PLC
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 UNITED KINGDOM
 Date Printed: 01 MAR 2012

Container Type: X1.6A - 1.6L Aluminum Cylinder
 Outlet Valve Connection: 5/8" - 18 UNF
 Net Weight: 0.070 kg
 Fill Pressure @ 15 °C: 35.0 bar-g
 Fill Pressure @ 15 °C: 35.690 kg/cm²
 Contents @ 0°C, 1013 mbar: 0.060 Nm³

Material 312200 Mixture of Gases	Mfg. Date 22 FEB 2012	Analysis Date 27 FEB 2012	Best if Used By 22 FEB 2013
Batch 1273673		Source Location 0925	

LOWER LIMIT	UPPER LIMIT	NOMINAL VALUE	ACTUAL VALUE	UNIT	EXPANDED UNCERT.	NO REPS STD DEV	ANALYTICAL		
							PHASE	FREQ	METHOD
		2.500	2.464	% mole	± 2%rel		B		Ana
		50.0	49.8	ppm mo	± 2%rel		B		Ana
		10.0	11.0	ppm mo	± 10%rel		B		Ana
		20.90	20.94	% mole	± 2%rel		B		Ana
			76.6	% mole	± 2%rel		B		Ana

This certificate is issued electronically and is valid without a signature.

REMARKS:

Analytic Freq : I = Individual analysis, B = Batch analysis, C = Calculated value, S = Source.
 The suffix (m) in the Unit of Measure refers to mass.

The expanded uncertainty has been calculated with a coverage factor k=2.

This certificate is produced in accordance with ISO 6141.
 The results shown above are traceable to national or international standards through a rigorous preparation system in which International Reference Materials, ISO 6142 and ISO 6143 are used.

To obtain details about the applicable traceability, please contact us.

Do not use below a pressure of 3 bar (excluding product supplied at less than 10 bar).
 Maintain storage and use temperature between -10 and 50 °C.