

# CERTIFICATE OF BATCH ANALYSIS

## Grade of Product: CERTIFIED STANDARD-SPEC

Customer:	AGILENT TECH	Reference Number:	160-400852461-1
Part Number:	X11ME69CP17C001	Cylinder Volume:	4.2 LG
Cylinder Analyzed:	ST0000181397	Cylinder Pressure:	60 PSIG
Laboratory:	124 - Plumsteadville - PA	Valve Outlet:	600
Analysis Date:	Feb 09, 2017		
Lot Number:	160-400852461-1		

Product composition verified by direct comparison to calibration standards traceable to N.I.S.T. weights and/or N.I.S.T. Gas Mixture reference materials.

### ANALYTICAL RESULTS

Component	Req Conc	Actual Concentration (Mole %)	Analytical Uncertainty
ARGON	0.5000 %	0.5000 %	+/- 5%
HEXANE	0.5000 %	0.5000 %	+/- 5%
CARBON DIOXIDE	1.000 %	1.000 %	+/- 5%
ISOPENTANE	1.000 %	1.000 %	+/- 5%
N PENTANE	1.000 %	1.000 %	+/- 5%
ISOBUTANE	3.000 %	1.000 %	+/- 5%
N BUTANE	3.000 %	2.990 %	+/- 5%
NITROGEN	6.000 %	5.900 %	+/- 5%
PROPANE	6.000 %	6.000 %	+/- 5%
ETHANE	9.000 %	9.000 %	+/- 5%
METHANE	Balance		

#### Cylinders in Batch:

ST0000181397, ST0000181398, ST0000181399, ST0000181400, ST0000181401

Notes: EXP DATE 2-9-2020

PO# 2350626194

P/N 5080-8756

Approved for Release

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