



921 College Hill Rd.
Fredericton, NB E3B 6Z9

CAG Sample Submission Form

Chain of Custody Record - SS-CAG_EN

Telephone: (506) 452-1204

E-mail: airquality@rpc.ca

Shaded Areas for Laboratory Use Only

Project #:

As Received Pressure: _____ **psig**

Shipping: Prepaid Collect

Reporting Customer	Billing Customer (if different)	Project Information
Company:	Company:	Site Location:
Address:	Address:	Purchase Order:
		Sampled By:
Contact:	Contact:	Sampler's Initials:
Telephone:	Telephone:	Sample Date:
Email:	Email:	RPC Quotation #:

Sample Information

(Required for Sample Processing)

Client Sample Identification (As appears on report):

RPC Sample Cylinder (e.g. HP_099):

Line Pressure While Collecting Sample: _____ psig

Duration of Flow: _____ minutes

Compressor Information

Purification System (if applicable)

Make:

Make:

Model:

Model:

Serial Number:

Serial Number:

Operating Pressure: _____ psig

Hours:

Test Standard

Air (CSA Z180.1)

Diving Air (CSA Z275.2)

Medical Gas (☐ CSA Z7396.1-17 / ☐ CSA Z7396.1-22)

☐ High Pressure (> 2000 psig)

☐ High Pressure (> 2000 psig)

☐ Medical Air (Compressor)

☐ Instrument Air

☐ Carbon Dioxide

☐ Low Pressure (< 200 psig)

☐ Low Pressure (< 200 psig)

☐ Medical Air (Cylinder)

☐ Oxygen

☐ Nitrogen

☐ Ambient (< 15 psig)

☐ Medical Air (USP)

☐ Oxygen Concentrator

☐ Nitrous Oxide

Other (Please Indicate):

Turnaround Time:

☐ Routine (5-7 Days)

☐ Next Day (100% Surcharge)

☐ 2 Days (50% Surcharge)

I certify that the information provided on this form is correct and the sample submitted in the cylinder is from the location indicated and produced by the compressor and/or purification system indicated on this form.

Signature: _____

Company: _____

Date: _____

WARNING

Please read carefully to prevent personal injury. Only persons trained in use of compressors should attempt to fill this cylinder. Hearing and eye protection should be worn. This sample cylinder should be filled the same way that the SCBA's/SCUBA's for your organization are filled (i.e: same fittings/hoses, etc.). The cylinder has been slightly pressurized with argon in order to maintain a clean and dry atmosphere. It is important that all 7 sample collection steps are followed or the sample may not be processed.

INSTRUCTIONS FOR FILLING HIGH PRESSURE SAMPLE CYLINDERS

RPC's high pressure cylinders are equipped with rupture discs rated at 1800 psig. At no time should the cylinder be filled beyond 1000 psig.

The cylinders are provided with CGA 346 male fittings for sampling purposes.

1. Purge the air line for at least 5 minutes (add more time if line is very long).
2. Vent the argon from the cylinder using the outlet valve at the top of the cylinder (by rupture disc). If you vent the cylinder using the wrong valve the sample integrity may be compromised.
3. Bring the pressure on the compressor system air line down to 1000 psig.
4. Connect the air line to the CGA 346 inlet connection at the bottom of the cylinder and open the inlet valve.
5. Allow the air to flow through the cylinder for 20-30 minutes. Make sure that the air stream is directed away from all personnel.
6. Close the cylinder outlet valve. Allow the cylinder to pressurize to 1000 psig. Close the cylinder inlet valve once the cylinder is fully pressurized. Close the source valve, depressurize the air line, and disconnect the line from the cylinder. Verify that the cylinder gauge is reading 1000 psig. Under no circumstances should the gauge read more than 1000 psig.
7. Complete the provided *Sample Submission Form* and cylinder tag. Return the *Sample Submission Form* along with the cylinder to RPC. All information must be filled out on the *Sample Submission Form* or the sample may not be processed.

INSTRUCTIONS FOR FILLING LOW PRESSURE SAMPLE CYLINDERS

RPC's low pressure cylinders are equipped with pressure relief valves that are set at 140 psig. The cylinder pressure should be kept at or below 100 psig.

The cylinder is provided with a 1/4 inch quick connect coupler plug.

1. Purge the air line for at least 5 minutes (add more time if line is very long).
2. Vent the argon from the cylinder using the outlet valve at the top of the cylinder (by pressure relief valve). If you vent the cylinder using the wrong valve the sample integrity may be compromised.
3. Bring the pressure on the compressor system air line down to 100 psig or less.
4. Connect the air line to the inlet valve at the bottom of the cylinder and open the inlet valve.
5. Allow the air to flow through the cylinder for 20-30 minutes. Make sure that the air stream is directed away from all personnel. For ambient samples, it is important to allow a flow through the cylinder for at least 30 minutes.
6. Close the cylinder outlet valve. Allow the cylinder to pressurize. Close the cylinder inlet valve once the cylinder is fully pressurized. Close the source valve, depressurize the air line, and disconnect the line from the cylinder. Verify that the cylinder gauge is reading the proper pressure. Under no circumstances must the gauge read more than 100 psig.
7. Complete the provided *Sample Submission Form* and cylinder tag. Return the *Sample Submission Form* along with the cylinder to RPC.