

Certificate of Compliance

Certificate n°: ATC-ML-IT-CoC-220-1.0_SE_1700
Issued to the instrument 1700 (PICARRO 5201-JKBDS-5202)

Tested by: D. Delanoë from 2024-03-13 to 2024-05-29

Tests	CO		N ₂ O		Test definition
	ICOS Spec	ATC test results	ICOS Spec	ATC test results	
Minute CMR (1 σ , [ppb])	<2	0.03	<0.1	0.02	Measure continuously a tank filled with dry natural air during at least 25 hours. Look at data dispersion (1 σ) for minute average. First hour not taken into account (stabilization time). No calibration applied.
Hourly CMR (1 σ , [ppb])	<1	0.01	<0.05	0.01	Measure continuously a tank filled with dry natural air during at least 25 hours. Look at data dispersion (1 σ) for hourly average. First hour not taken into account (stabilization time). No calibration applied.
LTR (1 σ , 10 min avr raw data, [ppb])	<1	0.02	<0.1	0.01	Measure alternatively over 72 hours a tank filled with dry natural air for 30 minutes and 270 minutes of ambient air (not dry). For each period of tank measurement, calculate a mean value (last 10 minutes). Look at the dispersion (1 σ) of the mean values. No calibration applied.

ICOS status: COMPLIANT with the ICOS specifications [AD2]

Date issued: 2024-05-31

Olivier Laurent
Metrology laboratory manager
ICOS ATC
France