

General Field of Calibration : Concentration

Date of Initial Accreditation as a Calibration Laboratory : 2016-11-11

Date of Initial Accreditation as a Certified Reference Material Producer : 2016-11-11

Permanent Laboratory/On-site Calibration : Permanent Laboratory

Type of Service		Calibration Scope	CMC(*) (Level of Confidence Approximately 95 %)
Standard gases	Methane standard gases (air balance)	From 1 vol ppm up to 50 vol ppm	1.0 %
	propane standard gases (air balance)	From 3.5 vol ppm up to 500 vol ppm	1.0 %
	propane standard gases (nitrogen balance)	From 150 vol ppm up to 1.5 vol %	1.0 %
	Carbon monoxide standard gases (nitrogen balance)	From 3 vol ppm up to 50 vol ppm	1.5 %
		More than 50 vol ppm up to 15 vol %	1.0 %
	Carbon dioxide standard gases (nitrogen balance)	From 300 vol ppm up to 16 vol %	1.0 %
	Nitric oxide standard gases (nitrogen balance)	From 0.5 vol ppm up to 1 vol ppm	5.0 %
		More than 1 vol ppm up to 30 vol ppm	1.5 %
		More than 30 vol ppm up to 5 vol %	1.0 %
	Nitric dioxide standard gases (air balance)	From 5 vol ppm up to 50 vol ppm	5.0 %
	Oxygen standard gases (nitrogen balance)	From 1 vol % up to 25 vol %	1.0 %
		From 98 vol % up to 100 vol %	0.1 %
	Sulfur dioxide standard gases (nitrogen balance)	From 0.5 vol ppm up to 1 vol ppm	5.0 %
		More than 1 vol ppm up to 50 vol ppm	1.5 %
		More than 50 vol ppm up to 1 vol %	1.0 %
Zero gases for industrial emission monitoring (air or nitrogen balance)	coexisting analytes CH <sub>4</sub> : 0.5 vol ppm or less than, CO : 1.0 vol ppm or less than, CO <sub>2</sub> : 1.0 vol ppm or less than, NO <sub>x</sub> : 0.1 vol ppm or less than, SO <sub>2</sub> : 0.1 vol ppm or less than,	-	
Zero gases for air quality monitoring (air balance)	coexisting analytes NO <sub>x</sub> : 0.005 vol ppm or less than, SO <sub>2</sub> : 0.005 vol ppm or less than,	-	

(\*) relative value