

EN 12619 Calibration Standard

The EU (European Union) EN 12619 standard for flame ionization detection (FID) measurement of total organic compounds (TOC) in stationary source combustion emissions including municipal and hazardous waste incinerators is a nine component mix.

Spectra Gases provides the required EN 12619 standard in a balance of research grade nitrogen.

EN 12619 Calibration Standard

2 mg/m ³ Methane [74-82-8]	
1.5 mg/m ³ Ethane [74-84-0]	
0.5 mg/m ³ Toluene [108-88-3]	
0.5mg/m ³ Benzene [71-43-2]	
0.5mg/m ³ Methylene Chloride [75-09-2]	
50 mg/m ³ Carbon Monoxide [630-08-0]	
11 % Oxygen [7782-44-7]	
10% Carbon Dioxide [124-38-9]	
Balance Nitrogen [7727-37-9]	
Blend Tolerance	+/- 10%
Analytical Tolerance	+/- 10%
Stability	12 months

NOTE: CAS numbers are in square brackets, i.e. [00-00-0]

The mixture can be supplied in a range of cylinder sizes from 7-30 litre water capacity.

To enhance your QA/QC procedures, Spectra stocks at least two (2) individual batches of each VOC raw material. This allows you to order two (2) independent EN 12619 calibration standard from Spectra.

Regulator Recommendation

Various independent and Agency laboratories have indicated that to ensure repeatability with low level calibration gases it is best to utilize the same regulator for initial assay and for daily usage, thus minimizing the sources for potential variances and possible cross contamination. If a regulator is purchased along with the EN 12619 Calibration Standard, Spectra Gases will perform the initial assay and certification analysis utilizing the regulator and cylinder as a matched set.

Spectra Gases' model 7621 regulator is ideal for use with the EN 12619 Calibration Standard. Please see the equipment section for information on this and other gas handling equipment.

