



LEL-Mixtures™

Calibration gases for explosimeters

Flammable gases mixed with air can cause explosive mixtures in specific proportions. The lowest concentration that gives a flammable mixture with air is termed as LEL (Lower Explosion Limit).

For monitoring atmospheres where there is a potential for leakage (ships, drilling rigs, mines, workshops and other industrial plants) different types of explosimeters have to be used.

Nippon Gases produces calibration gases for explosimeters. These gases are referred to as LEL mixtures. Our standard LEL mixtures are produced according to values set in ISO 10156:2017.

On request we also deliver mixtures based on values according to DIPPR (The Design Institute for Physical Properties of The American Institute of Chemical Engineers).

The most common LEL mixtures are listed below:

Content	Item	Bottle	Storage	Metan	Pressure
50 % LEL Methane in air	502197	2 L	Order	2,20 %	150
	500549	5 L	In stock*	2,20 %	150
	500550	10 L	Order	2,20 %	150
58 % LEL Methane in air	502214	2 L	Order	2,55 %	150
	500552	5 L	In stock*	2,55 %	150
65 % LEL Methane in air	503037	2 L	Order	2,86 %	150
	503038	5 L	Order	2,86 %	150
LEL mixture (various)	500545	5 L	Order	On request	
	500546	10 L	Order	On request	
	500547	50 L	Order	On request	
LEL mixture Gas Can	500040	1 L	Order		12

Stability: 36 months

Valve standard: DIN 477 nr 10

Delivery backorder items: 2-4 weeks

* At selected agents

For inquiries about other calibration gases and specialty gases (natural gas mixtures or calibration gases etc) please contact us at: spesialgass-medisinsk@nippongases.com