

# Lasline Lu / Al gas mixtures for marking lasers

STANDARD MIXTURES

## Marking

**Characterization acc. ADR** UN 1956, gas mixture, compressed, n.o.s., 2.2 Class 2, 1A

### Cylinder Marking



shoulder:  
light green

## Essential properties

Colourless, odorless gas mixture, long-term organ-damaging and teratogenic, compressed, lighter than air.

### Symbols of Risks



teratogenic



long-term organ-damaging



gas, compressed

For additional safety information see Material-/safety data sheet No. 443-10-0356

## Valves / Manifolds

**Valve connection** acc. to national standards

**Recommended Manifolds** Spectrolab FM 51 / FM 52 exact



## Specifications / Forms of delivery

		Lumonics 1	Lumonics 2	Lumonics 3	Altec 2	Altec 3	Altec 4	
<b>Composition</b>								
H <sub>2</sub>	=	-	-	0,25	0,3	0,25	0,3	Vol. %
CO	=	2,0	4,0	3,0	4,0	3,0	3,0	Vol. %
CO <sub>2</sub>	=	8,0	8,0	7,5	9,0	7,5	6,5	Vol. %
N <sub>2</sub>	=	16,0	16,0	16,0	18,0	15,0	13,0	Vol. %
He	=	74,0	72,0	71,5	68,7	74,25	77,2	Vol. %
<b>Impurities</b>								
H <sub>2</sub> O	<	5	5	5	5	5	5	ppmv
HC	<	1	1	1	1	5	1	ppmv
<b>Cylinders / Contents</b>								
F 50		9,1	9,1	9,1	9,1	9,1	9,1	m <sup>3</sup>

**Tolerance** H<sub>2</sub>, CO, CO<sub>2</sub> = +/- 10 % rel.; N<sub>2</sub> = +/- 5 % rel.