

Marking

Characterization acc. ADR UN 1954, gas mixture, flammable, compressed, n.o.s., 2.1 Class 2, 2F

Essential properties

Colourless, odorless, flammable gas mixture, compressed, heavier than air.

Cylinder Marking

shoulder:
red

Symbols of Risks

extremely flammable



gas, compressed

For additional safety information see Material-/safety data sheet No. *-CH4-AR-01

Valves / Manifolds

Valve connection acc. to national standards

Recommended Manifolds Spectrolab FM 51 / FM 52exact

**Specifications / Forms of delivery**

		90/10	95/5	P10	90/10 ECD	95/5 ECD	
Composition							
Ar 5.0	=	90	95	90	90	95	Vol. %
CH ₄ 2.5	=	10	5	-	-	-	Vol. %
CH ₄ 3.5	=	-	-	10	10	5	Vol. %
Impurities							
H ₂ O	<	10	10	5	5	5	ppmv
O ₂	<	10	10	5	5	5	ppmv
N ₂	<	50	50	20	20	20	ppmv
HC C ₂ to C ₄	<	200	200	10	10	10	ppmv
CO ₂	<	0,5	0,5	-	-	-	ppmv
CFC's	<	-	-	20	1	1	ppb
Cylinders / Contents							
F 10 200 bar		2,2	2,2	2,2	2,2	2,2	m ³
F 50 200 bar		10,8	10,8	10,8	10,8	10,8	m ³
B 12 * F 50 200 bar		129,9	129,2	-	-	-	m ³

Tolerance +/- 10 % rel.

Remarks

Operating gas for counter tubes and radioactivity measurement devices
 Purge gas for earth-bound communication cables
 P10: Operating gas for X-ray fluorescence analysers
 ECD: Operating and make-up gas for electron capture detectors (ECD) in gas chromatography