

**Marking****Characterization acc. ADR**

UN 1954 COMPRESSED GAS,  
FLAMMABLE, N.O.S.  
(METHANE, ARGON), 2.1, (B/D)

**Essential properties**

compressed gas, heavier than air, colorless, odorless, flammable

**Cylinder Marking**

Shoulder color: red

**Symbols of risks**

For additional safety information see safety data sheet \*-CH4-AR-01

**Valves / Manifolds****Valve connection**

acc. to national regulations

**Recommended Manifolds**

Spectrolab FM 51 / FM 52exact



Specification / receptacles							
		Argon/Methane 90/10	Argon/Methane 90/10 ECD	Argon/Methane 95/5	Argon/Methane 95/5 ECD	P10-Gas	
<b>Composition</b>							
Ar	=	90	90	95	95	90	Vol.-%
CH <sub>4</sub>	=	10	10	5	5	10	Vol.-%
<b>Impurities</b>							
CO <sub>2</sub>	≤	0.5	-	0.5	-	-	ppmv
O <sub>2</sub>	≤	10	5	10	5	5	ppmv
N <sub>2</sub>	≤	50	20	50	20	20	ppmv
halogenated HC	≤	-	1	-	1	20	ppbv
HC C <sub>2</sub> - C <sub>4</sub>	≤	200	10	200	10	10	ppmv
H <sub>2</sub> O	≤	10	5	10	5	5	ppmv
<b>Cylinder / Contents</b>							
F 10 200 bar		-	-	-	-	2.2	m <sup>3</sup>
F 50 200 bar		10.8	10.8	10.8	10.8	10.8	m <sup>3</sup>
F 50*12 200 bar		129.9	-	129.2	-	129.8	m <sup>3</sup>

**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

Production tolerance: +/- 10% rel

Contents in m<sup>3</sup> at 15°C, 1 bar