

Marking**CAS-Number** 124-38-9**Characterization acc. ADR** UN 1013, Carbon dioxide, 2.2
Class 2, 2 A**Cylinder Marking**shoulder:
grey**Essential properties**

Colourless, odorless, asphyxiating gas, liquefied, heavier than air

Physical Properties

molecular weight:	44,0098 kg/kmol
gas density at 0°C and 1,013 bar:	1,9767 kg/m ³
density ratio to air:	1,5289
vapour pressure at 20°C:	57,258 bar

For additional safety information see **Material-/safety data sheet No. 018 A (Kohlendioxid)****Valves / Manifolds****Valve connection** DIN 477 Nr. 6: W 21,8 x 1/14"
For Refrigerant R744 liquid withdrawal trough
dip tube, dual port valve**Recommended Manifolds** Spectrolab FM61/FM62
Spectrocem FE61/FE62
for SFC/SFE-products: withdrawal
fittings (without pressure reduction)**Specifications / Forms of delivery**

		4.5	R 744			
Composition						
CO ₂	>	99,995	99,995			Vol.-%
Impurities*						
H ₂ O	<	5	5			ppmv
O ₂	<	10	10			ppmv
N ₂	<	25	25			ppmv
THC (as CH ₄)	<	1	1			ppmv
CO	<	1	1			ppmv
Cylinders / Contents						
F 13,4		10,0	10,0	-	-	kg
F 40		-	-	-	-	kg
F 50		37,5	37,5	-	-	kg

Remarks

* Analysis from evaporated liquid phase.