

Marking

CAS-Number	630-08-0
Characterization acc. ADR	UN 1016, Carbon monoxide, compressed, 2.3 (2.1) Class 2, 1 TF

Cylinder Marking



shoulder:
yellow

Essential properties

Colourless, odorless, toxic, flammable gas, compressed, lighter than air.

Symbols of Risks



toxic



flammable



teratogenic



organ-damaging



gas, compressed

Physical Properties

molecular weight:	28,0104 kg/kmol
gas density at 0°C and 1,013 bar:	1,2506 kg/m ³
density ratio to air:	0,9672

For additional safety information see Material-/safety data sheet No. *-CO-019A

Valves / Manifolds

Valve connection	acc. to national standards
Recommended Manifolds	Spectrolab FM 51 / FM 52exact Spectrocem FE 51 / FE 52exact



Specifications / Cylinders						
		Standard	2.5	3.7	4.7	
Composition						
CO	>	98	99,5	99,97	99,997	Vol.-%
Impurities						
N ₂	<	9000	600	20	10	ppmv
Ar	<	2000	-	-	-	ppmv
H ₂	<	8000	100	5	1	ppmv
THC (as CH ₄)	<	500	50	10	2	ppmv
O ₂	<	20	100	10	5	ppmv
H ₂ O	<	-	5	5	3	ppmv
Ar	<	-	300	150	7	ppmv
CO ₂	<	-	-	-	1	ppmv
Cylinders / Contents						
F 10 150 bar		1,5	1,5	1,5	-	m ³
F 10 Alu 200 bar		-	-	1,9	1,9	m ³
F 40 150 bar		5,9	-	-	-	m ³
F 40 Alu 200 bar		-	7,6	7,6	7,6	m ³
B 12 * F 50 150 bar		88,6	-	-	-	m ³

Remarks

Applications:
Important precursor in organic chemistry to form methanol, aldehydes and ketones, organic acid chlorides, acetic acid and others.
CO is also used to clean metallic nickel by the Mond process.

Delivery only with ultimate consumers declaration!
No delivery to private person!