

# MSA Europe Calibration Gas Portfolio

Effective: February 17, 2023

Material Number	Material Description	Gas Mixture	Concentration	Tolerance ±in %	Balance	RFID Tag	Size	Pressure	Type	Material
711072	Calibration Gas [34 l] 10 PPM HCN	Hydrogen Cyanide / HCN	10 ppm	10	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
711082	Gas can [34 l], 2 PPM CL2	Chlorine / CL2	2 ppm	+100 / -50	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10009045	Gas can [103 l]: RP 0.1% PROPANE IN SYNTHETIC AIR	Propane / C3H8	0,1 vol%	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel
10011727	Gas can [34 l] 40ppmH2S in N2	Hydrogen Sulfide / H2S	40 ppm	5	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10011937	Gas can [34 l] 50 ppmNH3 in N2	Ammonia / NH3	50 ppm	5	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10011938	Gas can [34 l] 5 ppmSO2 in N2	Sulfur Dioxide / SO2	5 ppm	10	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10011939	Gas can [34 l] 10 ppmCl2 in N2	Chlorine / CL2	10 ppm	10	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10022595	Gas can [34 l] 20 Vol.% CH4 in N2	Methane / CH4	20 vol%	2	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10022596	Gas can [34 l] 0,3 Vol% Hexan in synthetic air	Hexane / C6H14	0,3 vol%	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10024230 (804770)	Test gas set 58L, CH4/CO/H2S/O2/AUTOCAL	Methane / CH4 Carbon Monoxide / CO Hydrogen Sulfide / H2S Oxygen / O2	1,45 vol% 300 ppm 10 ppm 15 vol%	*	Nitrogen / N2		58 l	500 psig	8AL	aluminium
10024231	Test gas set 58L, CH4/CO/O/AUTOCAL	Methane / CH4 Carbon Monoxide / CO Oxygen / O2	1,45 vol% 300 ppm 15 vol%	*	Nitrogen / N2		58 l	500 psig	8AL	aluminium
10028028	Cylinder, 20.8% OXYGEN IN NITROGEN	Oxygen / O2	20,8 vol%	2	Nitrogen / N2		103 l	1000 psig	6D	Stahl / steel
10028072	Cylinder: DOT39,10PPM HCN, N2 8AL	Hydrogen Cyanide / HCN	10 ppm	10	Nitrogen / N2		58 l	500 psig	8AL	aluminium
10029471	Gas can [34 l] 2,5 Vol% Methane in synthetic air	Methane / CH4	2,5 vol%	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10029472	Gas can [34 l] 2 Vol% Methane in synthetic air	Methane / CH4	2 vol%	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10029473	Cylinder [34 l] 100 Vol% Methane	Methane / CH4	100 vol%	2	—		34 l	500 psig	2AL	aluminium
10029474	Gas can [34 l] 0,5 Vol% Methane in synthetic air	Methane / CH4	0,5 vol%	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10029475	Cylinder [34 l] 50 Vol% Propane in N2	Propane / C3H8	50 vol%	2	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10029476	Gas can [34 l] 1 Vol% Propane in synthetic air	Propane / C3H8	1 vol%	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10029477	Gas can [34 l] 0.5 Vol% Propane in synthetic air	Propane / C3H8	0,5 vol%	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10029478	Gas can [34 l] 0.4 Vol% Propane in synthetic air	Propane / C3H8	0,4 vol%	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10029479	Gas can [34 l] 20.8 Vol% O2 in N2	Oxygen / O2	20,8 vol%	2	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10029494	Gas can [34 l] 300ppmCO in synthetic air	Carbon Monoxide / CO	300 ppm	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10029495	Gas can [34 l] 100ppmCO in synthetic air	Carbon Monoxide / CO	100 ppm	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10029496	Gas can [34 l] 2 Vol% H2 in synthetic air	Hydrogene / H2	2 vol%	2	synth. Luft / air	X	34 l	500 psig	2AL	aluminium
10029497	Gas can [34 l] 1 Vol% H2 in synthetic air	Hydrogene / H2	1 vol%	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10029498	Gas can [34 l] 1.5 Vol% CO2 in N2	Carbon Dioxide / CO2	1,5 vol%	2	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10029499	Gas can [34 l] 15 Vol% CO2 in N2	Carbon Dioxide / CO2	15 vol%	2	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10029500	Gas can [34 l] 50 Vol% Meth. in N2, w.RFID	Methane / CH4	50,0 vol%	2	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10029510	Gas can [34 l] 100 Vol% synthetic air	synth. Luft / air	100 vol%	2	—	X	34 l	500 psig	2AL	aluminium
10029511	Gas can [34 l] 100 Vol% N2	Nitrogen UHP / N2 UHP	>99,999%	2	—		34 l	500 psig	2AL	aluminium
10029520	Gas can [34 l] 40 ppm HCl in N2	Hydrogen Chloride / HCl	40 ppm	5	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10029521	Gas can [34 l] 10ppmNO2 in synthetic air	Nitrogen Dioxide / NO2	10 ppm	10	synth. Luft / air	X	34 l	500 psig	2AL	aluminium
10029522	Gas can [34 l] 0,5ppmPH3 in N2	Phosphine / PH3	0,5 ppm	10	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10044001	Calibration gas [58 l] C3H8/CO/O2/AUTOCAL	Propane / C3H8 Carbon Monoxide / CO Oxygen / O2	0,986 vol% 300 ppm 15,0 vol%	*	Nitrogen / N2		58 l	500 psig	8AL	aluminium
10044002	Calibration gas [58 l] C3H8/CO/H2S/O2	Propane / C3H8 Carbon Monoxide / CO Hydrogen Sulfide / H2S Oxygen / O2	0,986 vol% 300 ppm 10 ppm 15,0 vol%	*	Nitrogen / N2		58 l	500 psig	8AL	aluminium
10050744	Calibration gas [58 l] 5x: 1,45% CH4, CO2, CO, H2S, O2	Methane / CH4 Carbon Dioxide / CO2 Carbon Monoxide / CO Hydrogen Sulfide / H2S Oxygen / O2	1,45 vol% 2,5 vol% 300 ppm 10 ppm 15,0 vol%	*	Nitrogen / N2		58 l	500 psig	8AL	aluminium
10053022	Calibration gas [58 l] CH4/CO-60/H2S-20/O2	Methane / CH4 Carbon Monoxide / CO Hydrogen Sulfide / H2S Oxygen / O2	1,45 vol% 60 ppm 20 ppm 15,0 vol%	*	Nitrogen / N2	X	58 l	500 psig	8AL	aluminium
10069618	Gas can [34 l] 2,5 Vol% CO2 in N2	Carbon Dioxide / CO2	2,5 vol%	2	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10073231	Gas can [34 l] 60ppmCO in synthetic air	Carbon Monoxide / CO	60 ppm	2	synth. Luft / air	X	34 l	500 psig	2AL	aluminium
10078011	Gas can [34 l] 0.5 Vol% Butane in synthetic air	Butane / C4H10	0,5 vol%	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10078012	Gas can [34 l] 8,0 Vol% Butane in N2	Butane / C4H10	8,0 vol%	2	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10078013	Gas can [34 l] 8,0 Vol% Propane in N2	Propane / C3H8	8,0 vol%	2	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10079806	Gas can [34 l] 10ppmSO2 in synthetic air	Sulfur Dioxide / SO2	10 ppm	10	synth. Luft / air	X	34 l	500 psig	2AL	aluminium
10079807	Gas can [34 l] 25ppmNH3 in synthetic air	Ammonia / NH3	25 ppm	5	synth. Luft / air	X	34 l	500 psig	2AL	aluminium
10081672	Gas can [34 l] 5 Vol % O2 in N2	Oxygen / O2	5 vol%	2	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10083457	Gas can [58 l] 0,75 Vol% Pentane in synthetic air	Pentane / C5H12	0,75 vol%	2	synth. Luft / air		58 l	500 psig	8AL	aluminium
10086542	Gas can [103 l] 100ppmR22 in N2	R22	100 ppm	2	Nitrogen / N2		103 l	1000 psig	6D	Stahl / steel
10086543	Gas can [103 l] 100ppmR123 in N2	R123	100 ppm	2	Nitrogen / N2		103 l	1000 psig	6D	Stahl / steel
10086544	Gas can [103 l] 100ppmR134a in N2	R134a	100 ppm	2	Nitrogen / N2		103 l	1000 psig	6D	Stahl / steel
10086545	Gas can [103 l] 100ppmR404a in N2	R404a	100 ppm	2	Nitrogen / N2		103 l	1000 psig	6D	Stahl / steel
10086549	Calibration gas [58 l] 0,4 C3H8/CO-60/H2S-20/O2	Propane / C3H8 Carbon Monoxide / CO Hydrogen Sulfide / H2S Oxygen / O2	0,4 vol% 60 ppm 20 ppm 15 vol%	*	Nitrogen / N2	X	58 l	500 psig	8AL	aluminium
10102853	Gas can [58 l] CH4, CO2, CO-60, H2S-20, O2	Methane / CH4 Carbon Dioxide / CO2 Carbon Monoxide / CO Hydrogen Sulfide / H2S Oxygen / O2	1,45 vol% 2,5 vol% 60 ppm 20 ppm 15 vol%	*	Nitrogen / N2	X	58 l	500 psig	8AL	aluminium
10120482	Gas Can [34 l] 10ppmH2S in air	Hydrogen Sulfide / H2S	10 ppm	10	synth. Luft / air		34 l	500 psig	2AL	aluminium
10120483	Gas Can [34 l] 25ppmH2S in air	Hydrogen Sulfide / H2S	25 ppm	5	synth. Luft / air		34 l	500 psig	2AL	aluminium
10120484	Gas Can [34 l] 50ppmH2S in air	Hydrogen Sulfide / H2S	50 ppm	5	synth. Luft / air		34 l	500 psig	2AL	aluminium

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10122425	Gas [34 l]: 1.45%CH4,15%O2,60CO,20H2S,10SO2	Methane / CH4 Oxygen / O2 Carbon Monoxide / CO Hydrogen Sulfide / H2S Sulfur Dioxide / SO2	1,45 vol% 15 vol% 60ppm 20ppm 10ppm	*	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10122426	Gas [58 l]: 1.45%CH4,15%O2,60CO,20H2S,10SO2	Methane / CH4 Oxygen / O2 Carbon Monoxide / CO Hydrogen Sulfide / H2S Sulfur Dioxide / SO2	1,45 vol% 15 vol% 60ppm 20ppm 10ppm	*	Nitrogen / N2	X	58 l	500 psig	8AL	aluminium
10126429	Gas Can [34 l] 50 PPM NO IN N2	Nitrogen monoxide / NO	50ppm	5	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10128160	Gas [34 l]: 20H2S,60CO,1.45%CH4,15%O2,N2	Hydrogen Sulfide / H2S Carbon Monoxide / CO Methane / CH4 Oxygen / O2	20ppm 60ppm 1,45 vol% 15 vol%	*	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10128181	Gas [34 l]: 20H2S,60CO,CH4,2.5%CO2,15%O2	Hydrogen Sulfide / H2S Carbon Monoxide / CO Methane / CH4 Carbon Dioxide Oxygen / O2	20ppm 60ppm 1,45 vol% 2,5% 15 vol%	*	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10128182	Gas [34 l]: 1.45%CH4,15%O2,N2	Methane / CH4 Oxygen / O2	1,45 vol% 15 vol%	*	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10128183	Gas [34 l]: 0.3%C6H14,15%O2,N2	Hexane / C6H14 Oxygen / O2	0,3 vol% 15 vol%	*	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10128184	Calibration gas [58 l]: 0.4%C3H8,15%O2	Propane / C3H8 Oxygen / O2	0,4 vol% 15 vol%	*	Nitrogen / N2	X	58 l	500 psig	8AL	aluminium
10143308	Gas [34 l]: 1,45%CH4,15%O2,60CO,10NO2	Methane / CH4 Oxygen / O2 Carbon Monoxide / CO Nitrogen Oxide / NO2	1,45 vol% 15 vol% 60ppm 10ppm	*	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10154976	Gas [34 l]: 60ppm CO, 20ppmH2S	Carbon Monoxide / CO Hydrogen Sulfide / H2S	60ppm 20ppm	*	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10154977	Gas [58 l]: 60ppm CO, 20ppmH2S	Carbon Monoxide / CO Hydrogen Sulfide / H2S	60ppm 20ppm	*	Nitrogen / N2	X	58 l	500 psig	8AL	aluminium
10154978	Gas [34 l]: 60ppm CO, 10ppmNO2	Carbon Monoxide / CO Nitrogen Dioxide / NO2	60ppm 10ppm	*	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10154980	Gas [58 l]: 60ppm CO, 10ppmNO2	Carbon Monoxide / CO Nitrogen Dioxide / NO2	60ppm 10ppm	*	Nitrogen / N2	X	58 l	500 psig	8AL	aluminium
10154995	Gas [34 l]: 20ppmH2S, 10ppmSO2	Hydrogen Sulfide / H2S Sulfur Dioxide / SO2	20ppm 10ppm	*	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10154996	Gas [58 l]: 20ppmH2S, 10ppmSO2	Hydrogen Sulfide / H2S Sulfur Dioxide / SO2	20ppm 10ppm	*	Nitrogen / N2	X	58 l	500 psig	8AL	aluminium
10155918	Calibration Gas [58 l]: 20ppmH2S	Hydrogen Sulfide / H2S	20ppm	5	Nitrogen / N2	X	58 l	500 psig	8AL	aluminium
10155919	Calibration Gas [34 l]: 20ppmH2S	Hydrogen Sulfide / H2S	20ppm	5	Nitrogen / N2	X	34 l	500 psig	2AL	aluminium
10028034	Gas, 0.6% Propane in synthetic air	Propane / C3H8	0,6 vol%	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel
10150609	Gas [116 l],60 PPM CO in synthetic air	Carbon Monoxide / CO	60ppm	2	synth. Luft / air	X	116 l	1000 psig	10AL	aluminium
10150595	Gas [116 l],1.45%CH4,15%O2,60PPMCO,20PPMH2S	Methane / CH4 Oxygen / O2 Carbon Monoxyl / CO Hydrogen Sulfide / H2S	1,45 vol% 15 vol% 60ppm 20ppm	*	Nitrogen / N2	X	116 l	1000 psig	10AL	aluminium
10169196	Gas can [34 l] 100ppmisobutylene in synthetic air	Isobutylene / I-C4H8	100 ppm	2	synth. Luft / air	X	34 l	500 psig	2AL	aluminium
10044014	Cylinder [58 l] 300PPM AMMONIA, N2 BAL.	Ammonia / NH3	300 ppm	2	Nitrogen / N2		58 l	500 psig	8AL	aluminium
10053747	Cylinder [58 l] 10PPM HCL, N2 BAL.	Hydrogen Chloride / HCl	10 ppm	10	Nitrogen / N2		58 l	500 psig	8AL	aluminium
10174844	Gas [103 l] 1.45% CH4, 15% O2, 60PPM CO	Methane / CH4 Oxygen / O2 Carbon Monoxyl / CO	1,45 vol% 15 vol% 60ppm	*	Nitrogen / N2	X	103 l	1000 psig	6D	Stahl / steel
10177546	Gas can [100 l] 2,5 Vol% Methane	Methane / CH4	2,5 vol%	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel
10177466	Gas [103 l] ISOBUTYLENE, 2000ppm	Isobutylene / I-C4H8	2000 ppm	2	synth. Luft / air	X	103 l	1000 psig	6D	Stahl / steel
10177474	Gas [34 l] ISOBUTYLENE, 1000PPM	Isobutylene / I-C4H8	1000 ppm	2	synth. Luft / air		34 l	500 psig	2AL	aluminium
10177475	Gas [34 l] ISOBUTYLENE, 10PPM,	Isobutylene / I-C4H8	10 ppm	2	synth. Luft / air	X	34 l	500 psig	2AL	aluminium
10177476	Gas [34 l] ISOBUTYLENE, 2000PPM	Isobutylene / I-C4H8	2000 ppm	2	synth. Luft / air	X	34 l	500 psig	2AL	aluminium
10177477	Gas [103 l] ISOBUTYLENE, 10PPM	Isobutylene / I-C4H8	10 ppm	2	synth. Luft / air	X	103 l	1000 psig	6D	Stahl / steel
10177478	Gas [103 l], ISOBUTYLENE, 1000PPM	Isobutylene / I-C4H8	1000 ppm	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel

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10188057	Calibration gas [103 l] 0.6 vol% Propane in synthetic air	Propane / C3H8	0,6 vol%	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel
10188072	Calibration gas [103 l] 0.75 vol% Pentane in synthetic air	Pentane / C5H12	0,75 vol%	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel
10188077	Calibration gas [103 l] 100ppm CO in synthetic air	Carbon Monoxide / CO	100ppm	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel
10188078	Calibration gas [103 l] 200ppm CO in synthetic air	Carbon Monoxide / CO	200ppm	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel
10188079	Calibration gas [103 l] 400ppm CO in synthetic air	Carbon Monoxide / CO	400ppm	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel
10188080	Calibration gas [103 l] 1.5 vol% CO2 in N2	Carbon Dioxide / CO2	1,5 vol%	2	Nitrogen / N2		103 l	1000 psig	6D	Stahl / steel
10188081	Calibration gas [103 l] 2.5 vol% CO2 in synthetic air	Carbon Dioxide / CO2	2,5 vol%	2	synth. Luft / air		103 l	1000 psig	6D	Stahl / steel
10188082	Calibration gas [103 l] 100% Nitrogen	Nitrogen / N2	99,999%	2			103 l	1000 psig	6D	Stahl / steel
10188083	Calibration gas [103 l] 20.8 vol% O2 in Nitrogen	Oxygen / O2	20,8 vol%	2	Nitrogen / N2		103 l	1000 psig	6D	Stahl / steel
10191522	Calibration gas [103 l] 500 ppm in Nitrogen	Hydrogen / H2	500ppm	2	Nitrogen / N2	x	34 l	500 psig	2AL	Stahl / steel
10207602	Gas [34 l]: CH4 2.5%, O2-15%, CO-60, H2S-20	Methane / CH4 Oxygen / O2 Carbon Monoxide / CO Hydrogen Sulfide / H2S	2,5 vol% 15 vol% 60ppm 20ppm	*	Nitrogen / N2		34 l	500 psig	2AL	aluminium
10207603	Gas [58 l]: CH4 2.5%, O2-15%, CO-60, H2S-20	Methane / CH4 Oxygen / O2 Carbon Monoxide / CO Hydrogen Sulfide / H2S	2,5 vol% 15 vol% 60ppm 20ppm	*	Nitrogen / N2		58 l	500 psig	8AL	aluminium
10207604	Gas: <=0,2% H2S, <=2,5% CH4, <=17% O2 in Nitrogen	Methane / CH4 Oxygen / O2 Hydrogen Sulfide / H2S	2,5 vol% 15 vol% 20ppm	*	Nitrogen / N2		58 l	500 psig	8AL	aluminium