Non-refillable Canisters Standard Product List

(Revision 9, February 2016)

All mixtures shown in the table below are available with no minimum order quantity.
Products highlighted in green are normally available ex-stock in the canister size indicated.

Mixture	Cat.	Aerosol	34L	58L	110L	Days	Cert. tol.	Prod. tol.	Stability (months)
Acetylene (C_2H_2)									
0.5 % Acetylene // Air	1	312090	314468	319359	313131	7	±2 %	±5 %	60
Any concentration of Acetylene // Air between 0.1 % - 0.92 %	2	✓	✓	✓	✓	7	±2 %	±5 %	60
Ammonia (NH_3)									
25 ppm Ammonia // Air	2	318349	312977	313104	312695	15	±5 %	±10 %	12*
25 ppm Ammonia // Nitrogen	2	✗	312666	313646	314456	15	±5 %	±10 %	12
50 ppm Ammonia // Air	2	313510	312212	312647	312192	15	±5 %	±10 %	12*
50 ppm Ammonia // Nitrogen	2	313510	312212	312647	312192	15	±5 %	±10 %	12
100 ppm Ammonia // Air	2	313696	314410	313819	312196	15	±2 %	±10 %	12*
100 ppm Ammonia // Nitrogen	2	✗	319222	314284	317208	15	±2 %	±10 %	12
500 ppm Ammonia // Air	2	312197	314233	312906	312239	15	±2 %	±5 %	12*
500 ppm Ammonia // Nitrogen	2	✗	333317	318922	313509	15	±2 %	±5 %	12
1000 ppm Ammonia // Air	2	312228	312728	312190	312230	15	±2 %	±5 %	12*
1000 ppm Ammonia // Nitrogen	2	✗	319139	314328	318350	15	±2 %	±5 %	12
0.5 % Ammonia // Air	2	314466	313699	315718	312902	15	±2 %	±5 %	12*
0.5 % Ammonia // Nitrogen	2	✗	333380	333461	313999	15	±2 %	±5 %	12
1 % Ammonia // Air	2	320583	319135	312668	313034	15	±2 %	±5 %	12*
1 % Ammonia // Nitrogen	2	✗	333528	333527	333330	15	±2 %	±5 %	12
5 % Ammonia // Air	2	315719	312669	316690	314452	15	±2 %	±5 %	12*
Any concentration of Ammonia // Air or Nitrogen between 5 ppm - 1000 ppm	2	✗	✗	✓	✗	15			12
Argon (Ar)									
100 % Argon 'Premier' (5.0)	1	✗	424418	446579	410533	7	N/A	N/A	60
Benzene (C_6H_6)									
5 ppm Benzene // Air	1	333518	312079	326596	314241	7	±10 %	±20 %	60
Butane (C_4H_{10})									
0.4 % Butane // Air	1	312143	323518	333531	333321	7	±2 %	±5 %	60
0.6 % Butane // Air	1	312884	323519	314056	315134	7	±2 %	±5 %	60
0.7 % Butane // Air	1	318890	313695	321223	312708	7	±2 %	±5 %	60
0.75 % Butane // Air	1	318640	312136	313423	312135	7	±2 %	±5 %	60
0.9 % Butane // Air	1	314138	312907	325619	312142	7	±2 %	±5 %	60
8 % Butane // Nitrogen (pressure restricted - 100 psig)	1	312140	313501	334293	✗	7	±2 %	±5 %	60
8 % Butane / 13.8 % CO_2 // Nitrogen (pressure restricted - 100 psig)	1	312638	312637	326074	317521	7	±2 %	±5 %	60
Any concentration of Butane // Air between 0.1 % - 0.9 %	1	✓	✓	✓	✓	7	±2 %	±5 %	60
Iso-Butane (I-C_4H_{10})									
0.75 % Iso-Butane // Air	1	312125	315394	315395	312126	7	±2 %	±5 %	60
0.9 % Iso-Butane // Air	1	312194	312226	315872	312203	7	±2 %	±5 %	60
7.5 % Iso-Butane // Nitrogen	1	333729	333730	333728	✗	7	±2 %	±5 %	60
8 % Iso-Butane // Nitrogen	1	312115	333731	✗	314977	7	±2 %	±5 %	60
10 % Iso-Butane // Nitrogen	1	312225	312224	325900	333946	7	±2 %	±5 %	60
Iso-Butylene (I-C_4H_8)									
8 ppm Iso-Butylene // Air	1	333592	333327	327463	315869	7	±10 %	±20 %	60
100 ppm Iso-Butylene // Air	1	312093	312074	312052	312045	7	±2 %	±10 %	60
1000 ppm Iso-Butylene // Air	1	333593	321402	333334	312938	7	±2 %	±5 %	60
Carbon Dioxide (CO_2)									
500 ppm Carbon Dioxide // Nitrogen	1	313496	324680	333944	316934	7	±2 %	±5 %	60
500 ppm Carbon Dioxide // Air	1	333326	312063	315979	321012	7	±2 %	±5 %	60
1000 ppm Carbon Dioxide // Air	1	315867	313102	315977	319155	7	±2 %	±5 %	60
5000 ppm Carbon Dioxide // Air	1	312965	317406	315339	312953	7	±2 %	±5 %	60
5000 ppm Carbon Dioxide // Nitrogen	1	315640	318352	318228	314051	7	±2 %	±5 %	60
1 % Carbon Dioxide // Air	1	314134	313775	316932	312696	7	±2 %	±5 %	60
1 % Carbon Dioxide // Nitrogen	1	317609	313108	319137	312034	7	±2 %	±5 %	60

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Mixture	Cat.	Aerosol	34L	58L	110L	Days	Cert. tol.	Prod. tol.	Stability (months)
1.5 % Carbon Dioxide // Air	1	312879	332698	322166	313535	7	±2 %	±5 %	60
2 % Carbon Dioxide // Air	1	315505	312718	320575	312036	7	±2 %	±5 %	60
2 % Carbon Dioxide // Nitrogen	1	313123	321322	315780	312701	7	±2 %	±5 %	60
3 % Carbon Dioxide // Nitrogen	1	315905	325416	317407	314387	7	±2 %	±5 %	60
3 % Carbon Dioxide // Air	1	315537	314453	314400	312035	7	±2 %	±5 %	60
5 % Carbon Dioxide // Air	1	312098	312661	314680	312017	7	±2 %	±5 %	60
5 % Carbon Dioxide // Nitrogen	1	312084	314675	313774	312031	7	±2 %	±5 %	60
10 % Carbon Dioxide // Air	1	313831	314888	313154	312699	7	±2 %	±5 %	60
10 % Carbon Dioxide // Nitrogen	1	319666	333315	333314	314398	7	±2 %	±5 %	60
20 % Carbon Dioxide // Air	1	333533	318405	326445	316926	7	±2 %	±5 %	60
50 % Carbon Dioxide // Nitrogen	1	315978	312966	312056	314984	7	±2 %	±5 %	60
40 % Carbon Dioxide // **Methane**	1	313127	313116	312202	327613	7	±2 %	±5 %	60
50 % Carbon Dioxide // **Methane**	1	314386	312904	324374	314508	7	±2 %	±5 %	60
100 % Carbon Dioxide (3.0)	1	403194	198771	434355	197136	7	N/A	N/A	60
Any concentration of Carbon Dioxide // Air or Nitrogen between 0.1 % - 40 %	1	✓	✓	✓	✓	7	±2 %	±5 %	60
Carbon Monoxide (CO)									
20 ppm Carbon Monoxide // Air	1	312100	313106	312723	312027	7	±10 %	±20 %	60
20 ppm Carbon Monoxide // Nitrogen	1	323517	312060	329554	327485	7	±10 %	±20 %	60
50 ppm Carbon Monoxide // Air	1	312085	312896	313459	312039	7	±5 %	±10 %	60
60 ppm Carbon Monoxide // Air	1	312082	333325	318755	319223	7	±2 %	±10 %	60
100 ppm Carbon Monoxide // Air	1	312110	312061	312724	312024	7	±2 %	±10 %	60
100 ppm Carbon Monoxide // Nitrogen	1	313907	314405	315775	312043	7	±2 %	±10 %	60
150 ppm Carbon Monoxide // Air	1	312107	315980	332331	312040	7	±2 %	±5 %	60
200 ppm Carbon Monoxide // Air	1	312111	312067	320709	312033	7	±2 %	±5 %	60
200 ppm Carbon Monoxide // Nitrogen	1	323885	314413	333319	312028	7	±2 %	±5 %	60
250 ppm Carbon Monoxide // Air	1	315502	313669	321378	312041	7	±2 %	±5 %	60
300 ppm Carbon Monoxide // Air	1	312086	312076	312057	312023	7	±2 %	±5 %	60
500 ppm Carbon Monoxide // Air	1	318888	313670	314383	317671	7	±2 %	±5 %	60
500 ppm Carbon Monoxide // Nitrogen	1	317030	319461	315777	312964	7	±2 %	±5 %	60
1000 ppm Carbon Monoxide // Air	1	312127	313953	314385	312128	7	±2 %	±5 %	60
1000 ppm Carbon Monoxide // Nitrogen	1	327464	328753	317967	321856	7	±2 %	±5 %	60
2000 ppm Carbon Monoxide // Nitrogen	1	323516	313099	314890	312700	7	±2 %	±5 %	60
1 % Carbon Monoxide // Air	1	320906	316687	333945	314402	7	±2 %	±5 %	60
5 % Carbon Monoxide // Air	1	326514	333972	333973	316785	7	±2 %	±5 %	60
5 % Carbon Monoxide // Nitrogen	1	318797	333970	333971	314090	7	±2 %	±5 %	60
Any concentration of Carbon Monoxide // Air or Nitrogen between 5 ppm - 3 %	1	✓	✓	✓	✓	7	±2 %	±5 %	60
Chlorine (Cl_2)									
5 ppm Chlorine // Nitrogen	4	✗	✗	312639	312937	12	±10 %	±20 %	12
10 ppm Chlorine // Nitrogen	4	✗	313589	312644	312641	12	±10 %	±20 %	12
20 ppm Chlorine // Nitrogen	4	✗	313588	314683	314539	12	±10 %	±20 %	12
50 ppm Chlorine // Nitrogen	4	✗	✗	313590	322722	12	±5 %	±10 %	12
Ethane (C_2H_6)									
100 % Ethane (2.5)	1	409597	432792	428942	410011	7	N/A	N/A	60
Ethanol (C_2H_6O)									
130 ppm Ethanol // Nitrogen	1	✗	328505	334051	324975	7	±2 %	±5 %	36
192 ppm Ethanol // Nitrogen	1	✗	312219	334053	323561	7	±2 %	±5 %	36
260 ppm Ethanol // Nitrogen	1	✗	322969	334050	330964	7	±2 %	±5 %	36
Ethylene (C_2H_4)									
1000 ppm Ethylene // Air	1	333974	325235	325624	312681	7	±2 %	±5 %	60
1 % Ethylene // Air	1	315903	314682	315076	313820	7	±2 %	±5 %	60
1 % Ethylene // Nitrogen	1	312757	313539	326928	327317	7	±2 %	±5 %	60
1.35 % Ethylene // Air	1	320936	313701	318834	312018	7	±2 %	±5 %	60
100 % Ethylene (2.5) (pressure restricted 400 psig)	1	426628	432793	410012	410012	7	±2 %	±5 %	60
Any concentration of Ethylene // Air between 0.1 % - 1.35 %	1	✓	✓	✓	✓	7	±2 %	±5 %	60
Ethylene Oxide (ETO) (C_2H_4O)									
10 ppm Ethylene Oxide // Nitrogen	1	✗	317560	313827	313019	7	±10 %	±20 %	6
10 ppm Ethylene Oxide // Air	1	✗	319367	319319	319515	7	±2 %	±10 %	6
100 ppm Ethylene Oxide // Air	1	✗	316726	314893	314679	7	±2 %	±10 %	6
Helium (He)									
100 % Helium 'Premier' (5.0)	1	✗	197145	446789	197141	7	N/A	N/A	60
Heptane (C_7H_{16})									
0.2 % Heptane // Air	1	312206	325856	325994	✗	7	±2 %	±5 %	60
0.44 % Heptane // Air	1	325236	334146	334147	✗	7	±2 %	±5 %	60
0.45 % Heptane // Air	1	312176	316009	327292	✗	7	±2 %	±5 %	60
0.55 % Heptane // Air	1	312177	318099	318611	✗	7	±2 %	±5 %	60
Hexane (C_6H_{14})									
1000 ppm Hexane // Air (pressure restricted 600 psig)	1	334143	334144	334145	315405	7	±2 %	±5 %	60

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1200 ppm Hexane // Air (pressure restricted 450 psig)	1	316856	312942	✗	326072	7	±2 %	±5 %	60
0.5 % Hexane // Air (pressure restricted 100 psig)	1	312149	312729	313830	312150	7	±2 %	±5 %	60
Any concentration of Hexane // Air between 0.1 % - 0.5 %	1	✓	✓	✓	✓	7	±2 %	±5 %	60
Hydrogen (H_2)									
100 ppm Hydrogen // Air	1	314503	314054	325697	313430	7	±2 %	±10 %	60
100 ppm Hydrogen // Nitrogen	1	315976	314289	313697	312044	7	±2 %	±10 %	60
200 ppm Hydrogen // Air	1	312108	315065	314329	314406	7	±2 %	±5 %	60
500 ppm Hydrogen // Air	1	324116	319462	314091	314894	7	±2 %	±5 %	60
0.1 % Hydrogen // Air	1	313151	313536	314612	312153	7	±2 %	±5 %	60
0.2 % Hydrogen // Air	1	320102	317532	328197	321889	7	±2 %	±5 %	60
0.4 % Hydrogen // Air	1	316857	312068	325944	318351	7	±2 %	±5 %	60
0.5 % Hydrogen // Air	1	327462	317559	322347	314804	7	±2 %	±5 %	60
0.8 % Hydrogen // Air	1	312145	331661	314133	319789	7	±2 %	±5 %	60
1 % Hydrogen // Air	1	312146	312730	315541	313803	7	±2 %	±5 %	60
1 % Hydrogen // Nitrogen	1	323363	323333	334389	319760	7	±2 %	±5 %	60
1.2 % Hydrogen // Air	1	334390	334391	334392	319765	7	±2 %	±5 %	60
1.6 % Hydrogen // Air	1	312151	312731	313657	317783	7	±2 %	±5 %	60
2 % Hydrogen // Air	1	312097	312071	316519	312025	7	±2 %	±5 %	60
10 % Hydrogen // Nitrogen	1	320101	315900	320102	315901	7	±2 %	±5 %	60
100 % Hydrogen 'Premier Plus' (5.0)	1	199543	197147	401822	197137	7	N/A	N/A	60
Hydrogen Chloride (HCl)									
5 ppm Hydrogen Chloride // Nitrogen	4	✗	444658	199392	446912	12	±10 %	±20 %	12
10 ppm Hydrogen Chloride // Nitrogen	4	✗	199388	197129	199403	12	±10 %	±20 %	12
20 ppm Hydrogen Chloride // Nitrogen	4	✗	199270	403192	403196	12	±10 %	±20 %	12
25 ppm Hydrogen Chloride // Nitrogen	4	✗	199689	414188	197130	12	±5 %	±10 %	12
50 ppm Hydrogen Chloride // Nitrogen	4	✗	446913	401825	432942	12	±5 %	±10 %	12
Hydrogen Cyanide (HCN)									
5 ppm Hydrogen Cyanide // Nitrogen	4	✗	446858	400563	422420	12	±5 %	±10 %	12
10 ppm Hydrogen Cyanide // Nitrogen	4	✗	197143	197131	197132	12	±5 %	±10 %	12
20 ppm Hydrogen Cyanide // Nitrogen	4	✗	446859	430724	408066	12	±5 %	±10 %	12
25 ppm Hydrogen Cyanide // Nitrogen	4	✗	199602	418489	199792	12	±5 %	±10 %	12
Hydrogen Sulphide (H_2S)									
5 ppm Hydrogen Sulphide // Air	2	✗	322744	319831	✗	15	±10 %	±20 %	12
5 ppm Hydrogen Sulphide // Nitrogen	2	312188	319361	327444	317531	15	±10 %	±20 %	18
10 ppm Hydrogen Sulphide // Air	2	✗	313949	312152	✗	15	±10 %	±20 %	12
10 ppm Hydrogen Sulphide // Nitrogen	2	323213	314285	312147	312144	15	±10 %	±20 %	18
15 ppm Hydrogen Sulphide // Nitrogen	2	324998	313429	320574	313895	15	±10 %	±20 %	18
20 ppm Hydrogen Sulphide // Air	2	✗	313698	312160	✗	15	±10 %	±20 %	12
20 ppm Hydrogen Sulphide // Nitrogen	2	313024	322259	313461	312158	15	±10 %	±20 %	18
25 ppm Hydrogen Sulphide // Air	2	✗	312698	312175	✗	15	±5 %	±10 %	12
25 ppm Hydrogen Sulphide // Nitrogen	2	312171	312168	312169	312172	15	±5 %	±10 %	18
40 ppm Hydrogen Sulphide // Nitrogen	2	323106	314395	314330	315680	15	±5 %	±10 %	18
25 ppm Hydrogen Sulphide // Nitrogen	2	312171	312168	312169	312172	15	±5 %	±10 %	18
30 ppm Hydrogen Sulphide // Air	2	✗	312683	312113	✗	15	±5 %	±10 %	12
40 ppm Hydrogen Sulphide // Air	2	✗	320743	312181	✗	15	±5 %	±10 %	12
50 ppm Hydrogen Sulphide // Air	2	✗	312719	312187	✗	15	±5 %	±10 %	12
50 ppm Hydrogen Sulphide // Nitrogen	2	313025	312969	312185	312184	15	±5 %	±10 %	18
100 ppm Hydrogen Sulphide // Nitrogen	2	319735	315162	318231	312141	15	±2 %	±10 %	18
100 ppm Hydrogen Sulphide // Air	2	✗	313109	312900	✗	15	±2 %	±5 %	12
150 ppm Hydrogen Sulphide // Air	2	✗	334420	320687	✗	15	±2 %	±5 %	12
250 ppm Hydrogen Sulphide // Air	2	✗	314234	334421	✗	15	±2 %	±5 %	12
250 ppm Hydrogen Sulphide // Nitrogen	2	326674	320383	314800	316786	15	±2 %	±5 %	18
500 ppm Hydrogen Sulphide // Nitrogen	2	321534	313946	314506	314384	15	±2 %	±5 %	18
1000 ppm Hydrogen Sulphide // Nitrogen	2	321820	320382	333336	318027	15	±2 %	±5 %	18
1400 ppm Hydrogen Sulphide // Nitrogen	2	334422	334423	314598	317778	15	±2 %	±5 %	18
1 % Hydrogen Sulphide // Nitrogen	2	315863	320461	334419	312703	15	±2 %	±5 %	18
Methane (CH_4)									
100 ppm Methane // Air	1	313700	314059	312949	322144	7	±2 %	±10 %	60
1000 ppm Methane // Air	1	320907	315645	326530	314092	7	±2 %	±5 %	60
0.44 % Methane // Air	1	312101	315771	326679	314184	7	±2 %	±5 %	60
0.5 % Methane // Air	1	17292	321262	327015	312026	7	±2 %	±5 %	60
0.88 % Methane // Air	1	312081	321200	322803	312659	7	±2 %	±5 %	60
1 % Methane // Air	1	317995	312675	315075	312019	7	±2 %	±5 %	60
1 % Methane // Nitrogen	1	331392	320964	334454	312020	7	±2 %	±5 %	60
2.5 % Methane // Nitrogen	1	321505	314382	321506	312013	7	±2 %	±5 %	60
1.25 % Methane // Air	1	315644	314050	326676	312022	7	±2 %	±5 %	60
1.5 % Methane // Air	1	312104	327094	327093	316691	7	±2 %	±5 %	60

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1.8 % Methane // Air	1	312099	314397	312054	313956	7	±2 %	±5 %	60
2 % Methane // Air	1	312882	312062	314048	312029	7	±2 %	±5 %	60
2.2 % Methane // Air	1	312102	312065	313498	312049	7	±2 %	±5 %	60
2.5 % Methane // Air	1	312083	312075	312059	312030	7	±2 %	±5 %	60
3 % Methane // Nitrogen	1	334455	333128	329431	312032	7	±2 %	±5 %	60
5 % Methane // Nitrogen	1	325063	321201	324982	317167	7	±2 %	±5 %	60
8 % Methane // Nitrogen	1	312080	329100	334456	321546	7	±2 %	±5 %	60
10 % Methane // Nitrogen	1	315647	315947	325938	312037	7	±2 %	±5 %	60
20 % Methane // Nitrogen	1	333310	317780	334457	312704	7	±2 %	±5 %	60
50 % Methane // Nitrogen	1	312635	312748	319829	312634	7	±2 %	±5 %	60
50 % Methane // Carbon Dioxide (pressure restricted 650 psig)	1	314386	312904	324374	314508	7	±2 %	±5 %	60
60 % Methane // Carbon Dioxide (pressure restricted 800 psig)	1	313127	313116	312202	327613	7	±2 %	±5 %	60
100 % Methane (2.5)	1	197134	199605	199381	197139	7	N/A	N/A	60
Any concentration of Methane // Air between 5 ppm - 2.5 %	1	✓	✓	✓	✓	7			60
Nitric Oxide (NO)									
10 ppm Nitric Oxide // Nitrogen	2	✗	313107	312970	313948	15	±10 %	±20 %	12
25 ppm Nitric Oxide // Nitrogen	2	✗	312972	312240	312971	15	±5 %	±10 %	12
50 ppm Nitric Oxide // Nitrogen	2	✗	312973	314265	312665	15	±5 %	±10 %	12
100 ppm Nitric Oxide // Nitrogen	2	✗	312963	313531	312956	15	±2 %	±10 %	12
500 ppm Nitric Oxide // Nitrogen	2	✗	317184	316019	322146	15	±2 %	±10 %	12
1000 ppm Nitric Oxide // Nitrogen	2	✗	316789	312962	312961	15	±2 %	±5 %	12
4000 ppm Nitric Oxide // Nitrogen	2	✗	334458	334459	315672	15	±2 %	±5 %	12
Nitrogen (N_2)									
100 % Nitrogen 'Technical' (5.0)	1	197133	197146	197135	197140	7	N/A	N/A	60
Nitrogen Dioxide (NO_2)									
5 ppm Nitrogen Dioxide // Air	3	✗	312646	313462	314891	15	±10 %	±20 %	6
5 ppm Nitrogen Dioxide // Nitrogen	3	✗	312943	332788	316933	15	±10 %	±20 %	6
10 ppm Nitrogen Dioxide // Air	3	✗	312215	312214	312674	15	±10 %	±20 %	6
10 ppm Nitrogen Dioxide // Nitrogen	3	✗	319915	313821	315677	15	±10 %	±20 %	6
20 ppm Nitrogen Dioxide // Air	3	✗	312905	312946	315074	15	±10 %	±20 %	6
25 ppm Nitrogen Dioxide // Air	3	✗	313118	316531	313101	15	±5 %	±10 %	6
100 ppm Nitrogen Dioxide // Air	3	✗	313167	314205	316021	15	±5 %	±10 %	6
100 ppm Nitrogen Dioxide // Nitrogen	3	✗	334460	313532	318947	15	±2 %	±10 %	6
500 ppm Nitrogen Dioxide // Nitrogen	3	✗	327567	334461	315671	15	±2 %	±5 %	6
1000 ppm Nitrogen Dioxide // Air	3	✗	316017	333316	333313	15	±2 %	±5 %	6
Nitrous Oxide (N_2O)									
100 ppm Nitrous Oxide // Nitrogen	1	313121	312213	326391	315540	7	±2 %	±10 %	60
200 ppm Nitrous Oxide // Nitrogen	1	322362	313958	328950	333466	7	±2 %	±5 %	60
1 % Nitrous Oxide // Nitrogen	1	322116	331407	331914	315774	7	±2 %	±5 %	60
Oxygen (O_2)									
100 ppm Oxygen // Nitrogen	1	✗	334462	316494	313175	7	±2 %	±10 %	60
0.4 % Oxygen // Nitrogen	1	312672	324148	326012	312014	7	±2 %	±5 %	60
1 % Oxygen // Nitrogen	1	314610	313506	16497	313892	7	±2 %	±5 %	60
2 % Oxygen // Nitrogen	1	316919	315532	334294	312050	7	±2 %	±5 %	60
4 % Oxygen // Nitrogen	1	316561	318610	314409	312670	7	±2 %	±5 %	60
5 % Oxygen // Nitrogen	1	312109	312069	316493	312038	7	±2 %	±5 %	60
8 % Oxygen // Nitrogen	1	317128	317188	316724	312051	7	±2 %	±5 %	60
10 % Oxygen // Nitrogen	1	315401	319360	314629	313534	7	±2 %	±5 %	60
15 % Oxygen // Nitrogen	1	312087	312720	318226	312727	7	±2 %	±5 %	60
18 % Oxygen // Nitrogen	1	312881	314722	314286	313651	7	±2 %	±5 %	60
18.5 % Oxygen // Nitrogen	1	312106	314718	334569	312042	7	±2 %	±5 %	60
20.9 % Oxygen // Nitrogen	1	312095	312070	312058	312016	7	±2 %	±5 %	60
23.5 % Oxygen // Nitrogen	1	317608	323558	326810	327416	7	±2 %	±5 %	60
Any concentration of Oxygen // Nitrogen between 0.1 % - 21 %	1	✗	✓	✓	✓	7	±2 %	±5 %	60
Pentane (C_5H_{12})									
0.7 % Pentane // Air	1	312157	313156	312156	312155	7	±2 %	±5 %	60
Any concentration of Pentane in Air between 0.1 % - 0.7 %	1	✓	✓	✓	✓	7	±2 %	±5 %	60
Phosphine (PH_3)									
0.5 ppm Phosphine // Nitrogen	4	✗	199405	199390	411491	12	±10 %	±20 %	12
5 ppm Phosphine // Nitrogen	4	✗	406787	414925	400561	12	±10 %	±20 %	12
10 ppm Phosphine // Nitrogen	4	✗	199603	403193	446914	12	±10 %	±20 %	12
Propane (C_3H_8)									
0.1 % Propane // Air	1	315542	317558	313954	315713	7	±2 %	±5 %	60
0.5 % Propane // Air	1	315899	312066	317181	314681	7	±2 %	±5 %	60
0.68 % Propane // Air	1	312105	312941	312055	322344	7	±2 %	±5 %	60
0.85 % Propane // Air	1	312103	312064	314401	312046	7	±2 %	±5 %	60
0.9 % Propane // Air	1	333465	319465	328113	321886	7	±2 %	±5 %	60

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Mixture	Cat.	Aerosol	34L	58L	110L	Days	Cert. tol.	Prod. tol.	Stability (months)
1 % Propane // Air	1	312092	312077	312053	312047	7	±2 %	±5 %	60
1.1 % Propane // Air	1	312088	312072	314885	312048	7	±2 %	±5 %	60
50 % Propane // Nitrogen	1	329434	315536	326644	324629	7	±2 %	±5 %	60
100 % Propane (2.5)	1	444441	430304	443722	443722	7	N/A	N/A	60
Any concentration of Propane // Air between 5 ppm - 1.1 %	1	✓	✓	✓	✓	7			60
Propylene (C_3H_6)									
1 % Propylene // Air	1	332903	315077	317602	315398	7	±2 %	±5 %	60
Refrigerant R1234YF									
1000 ppm Refrigerant R1234YF // Air	1	339982	339421	335745	339420	7	±2 %	±5 %	60
Refrigerant R123									
1000 ppm Refrigerant R123 // Air	1	339978	334588	339350	339349	7	±2 %	±5 %	60
Refrigerant R134A									
500 ppm Refrigerant R134A // Air	1	312227	314463	320938	313424	7	±2 %	±5 %	60
1000 ppm Refrigerant R134A // Air	1	312122	312124	313495	312123	7	±2 %	±5 %	60
2000 ppm Refrigerant R134A // Air	1	312205	320337	316529	321377	7	±2 %	±5 %	60
Refrigerant R14									
1000 ppm Refrigerant R14 // Air	1	335106	335148	335104	335105	7	±2 %	±5 %	60
Refrigerant R143A									
1000 ppm Refrigerant R143A // Air	1	333534	328703	314848	329371	7	±2 %	±5 %	60
Refrigerant R22									
100 ppm Refrigerant R22 // Air	1	334622	332789	334623	327974	7	±2 %	±10 %	60
1000 ppm Refrigerant R22 // Air	1	314978	314548	321969	315130	7	±2 %	±5 %	60
2000 ppm Refrigerant R22 // Air	1	316854	334624	334626	334625	7	±2 %	±5 %	60
Refrigerant R23									
1000 ppm Refrigerant R23 // Air	1	334695	334693	334696	334676	7	±2 %	±5 %	60
Refrigerant R404A									
500 ppm Refrigerant R404A // Air	1	319274	334694	327991	327768	7	±2 %	±5 %	60
1000 ppm Refrigerant R404A // Air	1	319275	320625	322665	320098	7	±2 %	±5 %	60
2000 ppm Refrigerant R404A // Air	1	333377	334714	334715	325414	7	±2 %	±5 %	60
Refrigerant R407A									
1000 ppm Refrigerant R407A // Air	1	339983	339554	339552	339551	7	±2 %	±5 %	60
Refrigerant R407C									
1000 ppm Refrigerant R407C // Air	1	321489	328225	322664	319479	7	±2 %	±5 %	60
Refrigerant R410A									
1000 ppm Refrigerant R410A // Air	1	328756	322115	328951	319174	7	±2 %	±5 %	60
3000 ppm Refrigerant R410A // Air	1	329440	334716	334717	333324	7	±2 %	±5 %	60
Refrigerant R422D									
1000 ppm Refrigerant R422D // Air	1	339984	339681	339659	339658	7	±2 %	±5 %	60
Refrigerant R507									
1000 ppm Refrigerant R507 // Air	1	334718	327168	334719	333333	7	±2 %	±5 %	60
2000 ppm Refrigerant R507 // Air	1	334720	332766	334721	328824	7	±2 %	±5 %	60
Silane (SiH_4)									
5 ppm Silane // Nitrogen	4	✗	199393	199394	406788	12	±10 %	±20 %	12
10 ppm Silane // Nitrogen	4	✗	403197	409398	414446	12	±10 %	±20 %	12
15 ppm Silane // Nitrogen	4	✗	421142	199389	417922	12	±10 %	±20 %	12
Sulphur Dioxide (SO_2)									
10 ppm Sulphur Dioxide // Nitrogen	2	312238	312721	312243	312241	15	±10 %	±20 %	12*
20 ppm Sulphur Dioxide // Nitrogen	2	314546	313174	314058	315275	15	±10 %	±20 %	12*
100 ppm Sulphur Dioxide // Nitrogen	2	313511	334745	313533	313944	15	±2 %	±10 %	12*
2000 ppm Sulphur Dioxide // Nitrogen	2	333338	334746	334747	315501	15	±2 %	±5 %	12*
Any concentration of Sulphur Dioxide // Air between 5 ppm - 100 ppm	2	✓	✓	✓	✓	15			12*
Any concentration of Sulphur Dioxide // Nitrogen between 5 ppm - 2000 ppm	2	✓	✓	✓	✓	15			12*
Sulphur Hexafluoride (SF_6)									
500 ppm Sulphur Hexafluoride // Air	1	334748	318277	334749	326148	7	±2 %	±5 %	60
1000 ppm Sulphur Hexafluoride // Air	1	321076	314185	334863	320099	7	±2 %	±5 %	60
1 % Sulphur Hexafluoride // Air	1	322970	334864	334865	333924	7	±2 %	±5 %	60
100 % Sulphur Hexafluoride (4.0)	1	440596	446790	404333	404333	7	N/A	N/A	60
Toluene (C_7H_8)									
100 ppm Toluene // Air (pressure restricted 750 psig)	1	333320	333332	333331	313113	7	±2 %	±10 %	60
200 ppm Toluene // Air (pressure restricted 400 psig)	1	319154	327123	334866	314240	7	±2 %	±5 %	60
Vinyl Chloride (VCM) (C_2H_3Cl)									
10 ppm Vinyl Chloride // Nitrogen	3	✗	313649	326073	325696	15	±10 %	±20 %	60
2-gas mixes									
1 % Propane / 18 % Oxygen // Nitrogen	1	334867	333339	334892	319010	7	±2 %	±5 %	60
8 % Butane / 13.8 % Carbon Dioxide // Nitrogen (pressure restricted 100 psig)	1	312638	312637	326074	317521	7	±2 %	±5 %	60
1 % Methane / 3 % Carbon Dioxide // Nitrogen	1	334944	323882	334893	334894	7	±2 %	±5 %	60
1.5 % Methane / 15 % Oxygen // Nitrogen	1	334945	313157	334895	312159	7	±2 %	±5 %	60

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Mixture	Cat.	Aerosol	34L	58L	110L	Days	Cert. tol.	Prod. tol.	Stability (months)
1.62 % Methane / 18 % Oxygen // Nitrogen	1	334946	320628	334897	334896	7	±2%	±5%	60
0.9 % Butane / 18 % Oxygen // Nitrogen	1	334947	334948	334949	322614	7	±2%	±5%	60
0.7 % Pentane / 15 % Oxygen // Nitrogen	1	335026	327082	✗	333575	7	±2%	±5%	60
0.7 % Pentane / 18 % Oxygen // Nitrogen	1	335027	335031	329096	322616	7	±2%	±5%	60
25 % Nitrogen / 35 % Carbon Dioxide // Methane	1	335028	335029	335030	315941	7	±2%	±5%	60
2.2 % Methane / 18 % Oxygen // Nitrogen	1	335107	317603	319583	322615	7	±2%	±5%	60
2.5 % Methane / 18 % Oxygen // Nitrogen	1	335108	317598	317601	321835	7	±2%	±5%	60
5 % Methane / 10 % Carbon Dioxide // Nitrogen	1	335109	335110	313128	333323	7	±2%	±5%	60
0.5 % Oxygen / 30 % Carbon Dioxide // Nitrogen	1	312671	333311	333312	332611	7	±2%	±5%	60
3-gas mixes									
2 % Carbon Dioxide / 2.5 % Methane / 15 % Oxygen // Nitrogen	2	319138	321547	312182	312183	7	±2%	±5%	60
50 ppm Carbon Monoxide / 4 % Methane / 5 % Carbon Dioxide // Nitrogen	2	335111	335112	335113	312189	7	±2%	±5%	60
5 % Carbon Dioxide / 5 % Methane / 6 % Oxygen // Nitrogen	2	313023	333335	312945	312740	7	±2%	±5%	60
50 ppm Carbon Monoxide / 2.2 % Methane / 18 % Oxygen // Nitrogen	2	335203	335320	335321	320051	7	±2%	±5%	60
50 ppm Carbon Monoxide / 2.5 % Methane / 12 % Oxygen // Nitrogen	2	335204	317405	316069	314802	7	±2%	±5%	60
50 ppm Carbon Monoxide / 2.5 % Methane / 18 % Oxygen // Nitrogen	2	335205	335322	335323	314095	7	±2%	±5%	60
100 ppm Carbon Monoxide / 2.2 % Methane / 15 % Oxygen // Nitrogen	2	335206	312207	318227	318677	7	±2%	±5%	60
100 ppm Carbon Monoxide / 2.5 % Methane / 19 % Oxygen // Nitrogen	2	317595	312078	320908	312741	7	±2%	±5%	60
100 ppm Carbon Monoxide / 2.5 % methane / 18 % Oxygen // Nitrogen	2	335207	317605	317604	330312	7	±2%	±5%	60
100 ppm Carbon Monoxide / 2.2 % methane / 18 % Oxygen // Nitrogen	2	335208	317607	317606	324949	7	±2%	±5%	60
25 ppm Hydrogen Sulphide / 2.5 % Methane / 18.5 % Oxygen // Nitrogen	3	✗	312682	313502	✗	15	Dif.	Dif.	12
50 ppm Hydrogen Sulphide / 2.5 % Methane / 17 % Oxygen // Nitrogen	3	✗	313648	335324	✗	15	Dif.	Dif.	12
15 ppm Hydrogen Sulphide / 0.75 % Methane / 18 % Oxygen // Nitrogen	3	✗	335325	318676	✗	15	Dif.	Dif.	12
50 ppm Hydrogen Sulphide / 0.75 % Iso-Butane / 12 % Oxygen // Nitrogen	3	✗	327043	312209	✗	15	Dif.	Dif.	12
4-gas (quad) mixes									
60 ppm CO / 1.5 % CO_2 / 2.5 % CH_4 / 18 % O_2 // N_2	2	335434	335435	335436	315544	7	±2%	±5%	60
100 ppm Carbon Monoxide / 2 % Carbon Dioxide / 2.2 % Methane / 15 % Oxygen // Nitrogen	2	335437	312178	312180	312179	7	±2%	±5%	60
100 ppm Carbon Monoxide / 2 % Carbon Dioxide / 0.75 % Propane / 15 % Oxygen // Nitrogen	2	335438	335439	319788	317616	7	±2%	±5%	60
100 ppm Hydrogen / 100 ppm Methane / 5 % Carbon Dioxide / 16 % Oxygen // Nitrogen	2	312235	335440	333337	329270	7	±2%	±5%	60
10 ppm H_2S / 50 ppm CO / 2.2 % CH_4 / 18 % O_2 // N_2	3	✗	332283	312706	✗	15	Dif.	Dif.	12
10 ppm H_2S / 50 ppm CO / 2.5 % CH_4 / 18 % O_2 // N_2	3	✗	315593	312650	✗	15	Dif.	Dif.	12
10 ppm H_2S / 50 ppm CO / 2.5 % CH_4 / 20.9 % O_2 // N_2	3	✗	332286	312200	✗	15	Dif.	Dif.	12
15 ppm H_2S / 50 ppm CO / 2.5 % CH_4 / 18 % O_2 // N_2	3	✗	334923	313129	✗	15	Dif.	Dif.	12
15 ppm H_2S / 100 ppm CO / 2.5 % CH_4 / 18 % O_2 // N_2	3	✗	314000	312121	✗	15	Dif.	Dif.	12
15 ppm H_2S / 100 ppm CO / 2 % CO_2 / 15 % O_2 // N_2	3	✗	312216	314009	✗	15	Dif.	Dif.	12
15 ppm H_2S / 250 ppm CO / 2.5 % CH_4 / 18 % O_2 // N_2	3	✗	318503	312952	✗	15	Dif.	Dif.	12
15 ppm H_2S / 2 % CO_2 / 2.5 % CH_4 / 15 % O_2 // N_2	3	✗	313428	313177	✗	15	Dif.	Dif.	12
20 ppm H_2S / 60 ppm CO / 1.45 % CH_4 / 15 % O_2 // N_2	3	✗	316016	312242	✗	15	Dif.	Dif.	12
25 ppm H_2S / 50 ppm CO / 1.62 % CH_4 / 18 % O_2 // N_2	3	✗	320048	320176	✗	15	Dif.	Dif.	12
25 ppm H_2S / 50 ppm CO / 2.2 % CH_4 / 12 % O_2 // N_2	3	✗	328729	329582	✗	15	Dif.	Dif.	12
25 ppm H_2S / 50 ppm CO / 2.2 % CH_4 / 18 % O_2 // N_2	3	✗	335513	312199	✗	15	Dif.	Dif.	12
25 ppm H_2S / 50 ppm CO / 2.5 % CH_4 / 18 % O_2 // N_2	3	✗	314538	312138	✗	15	Dif.	Dif.	12
25 ppm H_2S / 50 ppm CO / 2.5 % CH_4 / 19 % O_2 // N_2	3	✗	329994	333297	✗	15	Dif.	Dif.	12
25 ppm H_2S / 50 ppm CO / 2.5 % CH_4 / 20.9 % O_2 // N_2	3	✗	332330	317408	✗	15	Dif.	Dif.	12
25 ppm H_2S / 50 ppm CO / 2.5 % CH_4 / 12.0 % O_2 // N_2	3	✗	312137	312663	✗	15	Dif.	Dif.	12
25 ppm H_2S / 50 ppm CO / 0.75 % Iso-Butane / 12 % O_2 // N_2	3	✗	312195	312233	✗	15	Dif.	Dif.	12
25 ppm H_2S / 50 ppm CO / 0.9 % Iso-Butane / 12 % O_2 // N_2	3	✗	313160	312651	✗	15	Dif.	Dif.	12
25 ppm H_2S / 65 ppm CO / 1.5 % CH_4 / 18.5 % O_2 // N_2	3	✗	335514	315531	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 1.25 % CH_4 / 18 % O_2 // N_2	3	✗	317672	319480	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 2.2 % CH_4 / 18 % O_2 // N_2	3	✗	312118	312117	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 2.2 % CH_4 / 20.9 % O_2 // N_2	3	✗	319435	316092	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 2.5 % CH_4 / 18 % O_2 // N_2	3	✗	312198	312201	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 2.5 % CH_4 / 18.5 % O_2 // N_2	3	✗	313159	312191	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 2.5 % CH_4 / 19 % O_2 // N_2	3	✗	312940	315870	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 2.5 % CH_4 / 20.9 % O_2 // N_2	3	✗	312705	312244	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 0.85 % Propane / 18 % O_2 // N_2	3	✗	319878	319877	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 0.35 % Pentane / 20.9 % O2 // N_2	3	✗	326282	314131	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 0.7 % Pentane / 18 % O_2 // N_2	3	✗	320464	319221	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 1.1 % Propane / 18 % O_2 // N_2	3	✗	319433	312210	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 1.1 % Propane / 19 % O_2 // N_2	3	✗	333318	312208	✗	15	Dif.	Dif.	12
25 ppm H_2S / 200 ppm CO / 2.5 % CH_4 / 17 % O_2 // N_2	3	✗	335515	321818	✗	15	Dif.	Dif.	12
25 ppm H_2S / 200 ppm CO / 0.7 % Pentane / 18 % O_2 // N_2	3	✗	335521	320550	✗	15	Dif.	Dif.	12
40 ppm H_2S / 100 ppm CO / 2.2 % CH_4 / 15 % O_2 // N_2	3	✗	312119	314889	✗	15	Dif.	Dif.	12
40 ppm H_2S / 100 ppm CO / 2.5 % CH_4 / 15 % O_2 // N_2	3	✗	312131	314467	✗	15	Dif.	Dif.	12
40 ppm H_2S / 2 % CO_2 / 2.5 % CH_4 / 15 % O_2 // N_2	3	✗	312133	312134	✗	15	Dif.	Dif.	12
50 ppm H_2S / 200 ppm CO / 2.2 % CH_4 / 17 % O_2 // N_2	3	✗	312686	312673	✗	15	Dif.	Dif.	12
50 ppm H_2S / 200 ppm CO / 2.5 % CH_4 / 17 % O_2 // N_2	3	✗	320465	314115	✗	15	Dif.	Dif.	12

Mixture	Cat.	Aerosol	34L	58L	110L	Days	Cert. tol.	Prod. tol.	Stability (months)
50 ppm H_2S / 500 ppm CO / 2.5 % CH_4 / 18 % O_2 // N_2	3	✗	**327042**	**312939**	✗	15	Dif.	Dif.	12
5-gas (quint) mixes									
15 ppm H_2S / 50 ppm CO / 2 % CO_2 / 2.5 % CH_4 / 18 % O_2 // N_2	4	✗	**335517**	**326040**	✗	15	Dif.	Dif.	12
15 ppm H_2S / 100 ppm CO / 1 % CO_2 / 2.5 %CH_4 / 18 % O_2 // N_2	4	✗	**312880**	**317524**	✗	15	Dif.	Dif.	12
15 ppm H_2S / 100 ppm CO / 2 % CO_2 / 2.5 % CH_4 / 15 % O_2 // N_2	4	✗	**315250**	**312652**	✗	15	Dif.	Dif.	12
15 ppm H_2S / 100 ppm CO / 2 % CO_2 / 0.75 % Butane / 15 % O_2 // N_2	4	✗	**335518**	**335519**	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 5000 ppm CO_2 / 2.2 % CH_4 / 18 % O_2 // N_2	4	✗	**319453**	**318857**	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 5000 ppm CO_2 / 2.5 % CH_4 / 18 % O_2 // N_2	4	✗	**319460**	**319459**	✗	15	Dif.	Dif.	12
25 ppm H_2S / 100 ppm CO / 2 % CO_2 / 2.5 % CH_4 / 20.9 % O_2 // N_2	4	✗	**335520**	**327770**	✗	15	Dif.	Dif.	12
40 ppm H_2S / 100 ppm CO / 2 % CO_2 / 2.2 % CH_4 / 15 % O_2 // N_2	4	✗	**319876**	**334631**	✗	15	Dif.	Dif.	12
Complex Mixtures									
10 ppm Benzene 10 ppm Ethyl-Benzene 10 ppm Toluene 10 ppm M-Xylene 10 ppm O-Xylene 10 ppm P-Xylene Balance Nitrogen	2	**314039**	**335914**	**333328**	**333329**	7	±10%	±20%	60
100 ppm Hydrogen 500 ppm Carbon Dioxide 500 ppm Carbon Monoxide 500 ppm Ethane 500 ppm Ethylene 500 ppm Acetylene 500 ppm Methane Balance Air	2	**314039**	**335914**	**333328**	**333329**	7	±10%	±20%	60
100 ppm Methane 100 ppm Ethane 100 ppm Propane 100 ppm Butane 100 ppm Pentane 100 ppm Hexane Balance Nitrogen	2	**315649**	**335915**	**335943**	**331739**	7	±2%	±10%	60

* 6 months for aerosol canisters

Disclaimer: The information contained within this table is accurate at the time of going to print and is subject to ongoing revisions without notice.

For more information,
please contact us:

Afriso EMA AB
Phone: +46-(0)40-92 20 50
e-mail: info@afriso.se
Order: order@afriso.se

www.afriso.se