

26.3.2014

EXTENDED CEM APPLICATION GAS-APP-003							
#	Compound name	Formula	CAS number	Minimum range	Typical range	Maximum range	Unit
1	Water	H <sub>2</sub> O	7732-18-5	25	25	40	vol-%
2	Carbon dioxide	CO <sub>2</sub>	124-38-9	10	20	30	vol-%
3	Carbon monoxide	CO	630-08-0	70	500	10000	ppm
4	Nitrous oxide	N <sub>2</sub> O	10024-97-2	50	100	500	ppm
5	Nitrogen monoxide (Nitric oxide)	NO	10102-43-9	100*	200	2000	ppm
6	Nitrogen dioxide	NO <sub>2</sub>	10102-44-0	100	200	500	ppm
7	Sulfur dioxide	SO <sub>2</sub>	7446-09-5	30*	100	2000	ppm
8	Ammonia	NH <sub>3</sub>	7664-41-7	20*	50	500	ppm
9	Hydrogen chloride	HCl	7647-01-0	10*	50	500	ppm
10	Hydrogen fluoride	HF	7664-39-3	17*	50	100	ppm
11	Methane	CH <sub>4</sub>	74-82-8	50	100	1000	ppm
12	Ethane	C <sub>2</sub> H <sub>6</sub>	74-84-0	**		100	ppm
13	Ethylene (Ethene)	C <sub>2</sub> H <sub>4</sub>	74-85-1	**		100	ppm
14	<i>n</i> -Propane	C <sub>3</sub> H <sub>8</sub>	74-98-6	**		100	ppm
15	<i>n</i> -Hexane	C <sub>6</sub> H <sub>14</sub>	110-54-3	**		100	ppm
16	Formaldehyde	HCOH	50-00-0	**		50	ppm

\* Minimum ranges are possible in maximum of 30 vol-% water concentration.

\*\* The CEM hydrocarbon ranges depend on the application. Higher ranges and additional compounds are available upon request from Gaset Technologies Oy.

Note: Standard GAS-APP-003 application package includes one range per compound