

## **Lumex Instruments**

Insight into mysteries of Nature

## Canadian Ambient Air Quality Standards (CAAQS)<sup>1</sup>

44	Pollutant	Averaging Time	Standards (concentration)		Metric
#			2015	2020	Metric
1	Particulate matter (size less than 2.5 µm)	24 hours (calendar day)	28 μg/m3	27 μg/m3	The 3-year average of the annual 98th percentile of the daily 24-hour average concentrations
		annual (calendar year)	10.0 μg/m3	8.8 µg/m3	The 3-year average of the annual average concentrations
2	Ozone (O <sub>3</sub> )	8-hour	63 ppb	62 ppb	The 3-year average of the annual 4 <sup>th</sup> highest daily maximum 8-hour average concentrations

#	Pollutant	Averaging Time	Standards (concentration)		Metric
		Pollutant	Averaging Time	2020	2025
3	Sulphur dioxide (SO <sub>2</sub> )	1-hour	70 ppb	65 ppb	The 3-year average of the annual 99 <sup>th</sup> percentile of the SO2 daily maximum 1-hour concentrations
		annual (calendar year)	5.0 ppb	4.0 ppb	The arithmetic average over a single calendar year of all 1-hour average SO2 concentrations



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<sup>1</sup> Standards have been developed for sulphur dioxide and fine particulate matter (PM2.5) and ozone, and work is underway to develop standards for nitrogen dioxide.