

## National Ambient Air Quality Standards for Nepal

Parameters	Units	Averaging Time	Concentration in Ambient Air, maximum	Test Methods
TSP (Total Suspended Particulates)	$\mu\text{g}/\text{m}^3$	Annual	-	
		24-hours*	230	High Volume Sampling
PM <sub>10</sub>	$\mu\text{g}/\text{m}^3$	Annual	-	
		24-hours*	120	Low Volume Sampling
Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	Annual	50	Diffusive sampling based on weekly averages
		24-hours**	70	To be determined before 2005.
Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	Annual	40	Diffusive sampling based on weekly averages
		24-hours**	80	To be determined before 2005.
Carbon Monoxide	$\mu\text{g}/\text{m}^3$	8 hours**	10,000	To be determined before 2005.
		15 minute	100,000	Indicative samplers ***
Lead	$\mu\text{g}/\text{m}^3$	Annual	0.5	Atomic Absorption Spectrometry, analysis of PM <sub>10</sub> samples****
		24-hours	-	-
Benzene	$\mu\text{g}/\text{m}^3$	Annual	20*****	Diffusive sampling based on weekly averages
		24-hours	-	-

**\*Note:** 24 hourly values shall be met 95% of the time in a year. 18 days per calendar year the standard may be exceeded but not on two consecutive days.

**\*\*Note:** 24 hourly standards for NO<sub>2</sub> and SO<sub>2</sub> and 8 hours standard for CO are not to be controlled before MoPE has recommended appropriate test methodologies. This will be done before 2005.

**\*\*\*Note:** Control by spot sampling at roadside locations: Minimum one sample per week taken over 15 minutes during peak traffic hours, i.e. in the period 8 am – 10 am or 3 pm – 6 pm on a workday. This test method will be re-evaluated by 2005.

**\*\*\*\*Note:** If representativeness can be proven, yearly averages can be calculated from PM<sub>10</sub> samples from selected weekdays from each month of the year.

**\*\*\*\*\*Note:** To be re-evaluated by 2005.

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