

76. EMISSION STANDARD FOR SO₂ FROM CUPOLA FURNACE :

Standard for Sulphur Dioxide emission from Cupola Furnace :

Characteristics	Emission limit
Sulphur dioxide (SO ₂) emission	300 mg/Nm ³ at 12% CO ₂ corrections

To achieve the standard, foundries may install scrubber, followed by a stack six times the diameter of the Cupola beyond the charging door.

Note : In case due to some technical reasons, installation of scrubber is not possible, then value of SO₂ to the ambient air has to be effected through the stack height.

77. SPECIFICATIONS OF MOTOR GASOLINE FOR EMISSION RELATED PARAMETERS :

Sl. No.	Characteristics	Requirement	Method of test ref.to P:of IS:1448
(i)	Reid Vapour Pressure at 38°C,Kpa	35 to 70	P : 39
(ii)	Benzeno, Percent by volume,Max	5.0 ⁽¹⁾	P : 104
(iii)	Lead Content(as Pb)g/l,Max	0.15(low leaded)(2) 0.013 (unleaded)	P : 38
(iv)	Sulphur, percent by mass, Max	0.10 (unleaded) 0.20 (leaded)	P : 34
(v)	Potential Gum, g/m3, Max	50	ASTM 873 : 8
(vi)	Gum (Solvent Washed)g/m3 Max	40	P : 29
(vii)	Oxygenates Content Ether (MTBE, ETBE) Alcohol, percent by volume, Max	15	
(viii)	Phosphorus	See Foot Note ⁽³⁾	ASTMD 3231

(1) 3.0 percent by volume maximum in metro cities by 2000 AD.

(2) 0.15 g/l by 31st December, 1996 (for entries country).
0.013 g/l by 1st April 1995 (in four metrocities);

by 1st December,1998(for all State capitals/UTs and major metro cities) and
by 1st April,2000 for the entire country.

(3) Phosphorous containing additives shall be absent.