

## Environmental Standards

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### Effluent

#### MAN-MADE FIBRE INDUSTRY : WASTEWATER DISCHARGE STANDARDS

Process	Parameter	Concentration not to exceed, mg/l (except for pH)	
(i) Synthetic	Suspended solids	100	
	BOD, 3 days 27 0c	30	
	pH	5.5 to 9.0	
(ii) Semi-synthetic	pH	5.5	9.0
	Suspended solids	100	
	BOD, 3 days at 27 0c	30	
	Zinc (as Zn)	5	

**Source : EPA Notification  
[S.O. 844(E), dt 19th Nov., 1986]  
[G.S.R. 801 E, 31st Dec. 1993]**

#### Cotton Textile Industry : Wastewater Discharge Standards (Composite & Processing)

Parameter	Concentration not to exceed, mg/l (except for pH & bio-assay)
<b>Common</b>	
PH	5.5 to 9.0
Suspended solids	100
BOD, 3 days at 27°C	150
Oil & grease	10
Bio-assay test	90% survival of fish after 96 hrs in 100% effluent
<b>Special</b>	
Total chromium (as Cr)	
Sulphide (as S)	
Phenolic compounds as (C <sub>6</sub> H <sub>5</sub> OH)	

The special parameters are to be stipulated by the Central Board in case of Union Territories and state boards in case of states depending upon the dye used in the industry. Where the industry uses chrome dyes, sulphur dyes and/or phenolic compounds in the dyeing/printing process, the limits of chromium of 2 mg/litre, sulphide of 2 mg/litre and phenolic compounds of 5 mg/litre respectively shall be imposed.

Where the quality requirement of the recipient system so warrants, the limit of BOD should be lowered up to 30 according to the requirement by the state boards for the States and the Central Board for the Union Territories.

A limit on sodium absorption ratio (SAR) of 26 should be imposed by the state board for the States and the Central Board for the Union Territories if the disposal of effluent is to be made on land.

**Source : EPA Notification  
[S.O. 844(E), dt 19th Nov. 1986]**

#### **Composite Woolen Mill : Wastewater Discharge Standards**

<b>Parameter</b>	<b>Concentration</b>
<b>Common</b>	
Suspended solids	100
PH	5.5 to 9.0
BOD, 3 days at 27°c	100
Oil & grease	10
Bio-assay test	90% survival of fish after 96 hrs in 100% effluent
<b>Special</b>	
Total chromium (as Cr)	2
Sulphide (as S)	2
Phenolic compounds as (C <sub>6</sub> H <sub>5</sub> OH)	5

The special parameters are to be stipulated by the Central Board in case of Union Territories and State Boards in case of States depending upon the dye used in the industry. Where the industry uses chrome dyes, sulphur dyes and/or phenolic.

Where the quality requirement of the recipient system so warrants, the limit of BOD should be lowered up to 30 according to the requirement by the state boards for the States and the Central Board for the Union Territories.

A limit on sodium absorption ratio (SAR) of 26 should be imposed by the state boards for the State and the Central Board for the Union Territories if the disposal of effluent is to be made on land.

**Source : EPA Notification  
[S.O. 844 (E), dt., 19th Nov., 1986]**