STANDARDS REGULATION ON THE QUALITY OF DRINKING WATERS	GE 14 / 1

In France, the quality of drinking waters is normalized by the decree No 2001-1220 dated December 20th, 2001 published in JO dated December 22th, 2001.

Recommendations also exist such as:

- The EEC directive No 98/83/CE dated November 31th, 1993 (OJ of the European Communities No L330 dated December 5th, 1998 and rectified with the OJ of the European Communities No LIII dated April 20th, 2001)

- The « Guidelines for drinking-water quality » WHO (WHO = OMS) 2004 3è edition.

The tables below indicate the values of the principal parameters adopted by the various institutions.

You can get the complete texts near the various organizations or organizations quoted.

		European directive		Decree 2001-1220		
		Limits of quality	Indicators of quality	Limits of quality	References of quality	WHO (= OMS)
Microbiology	*** General case**					
Total germs at 22°C	/ml		Qualitative (1) et (2)		No N *10	
Total germs at 37°C	/ml				No N *10	
E Coli	/100 ml	0		0		0
Entérocoques	/100 ml	0		0		
Coliforms	/100 ml		0		*0*	*0*
Sulfito	/20ml				*0*	
Clostridium			0			
Microbiology	*** Bottled water**					
Coliforms	/100 ml (3)		0		0	
E Coli	/250 ml	0		0		
Entérocoques	/250 ml	0		0		
P aeruginosa	/250 ml	0		0		
Total germs at 22°C	/ml	100		100	Quantitatifve	
Total germs at 37°C	/ml	20		20	quantitative	
Sulfito	/50ml			*0*	*0*	
Organoleptic						
Colour	mg/l		Qualitative (1) et (2)		qualitative and quantitative	
Smell			Qualitative (1) et (2)		qualitative and quantitative	
Taster			Qualitative (1) et (2)		qualitative and quantitative	
Chemistry						
Acrylamide	µg/l	0,10		*0,10*		
Aluminium	µg/l		200		*200*	
Ammonium	mg/l		0,5		*0,1 ou 0,5 (2)*	
Antimony	µg/l	5,0		*5,0*		5
Silver	µg/l					
Arsenic	µg/l	10		*10*		10
Nitrogen KJ	mg/l					
Barium	mg/l			*0,7*		0,7
Benzene	µg/l	1,0		*1,0*		10
Benzo(a)pyrene	µg/l	0,010		*0,010*		0,7
Bore	mg/l	1,0		*1,0*		0,5
Bromates	µg/l	10		*10*		25
Total germs at 22°C	µg/l	5,0		*5,0*		3
Total germs at 37°C	mg/l					
Free and total chlorine	?				Qualitative	
Chlorite	mg/l				*0,2*	*0,2*
Chloride	mg/l		250		*250*	
Chromium	µg/l	50		*50*		50
Vinyl chloride	µg/l	0,5		*0,5*		
COT	mg/l		Qualitative (5)		qualitative and quantitative	
Conductivity	µS/cm		2500		180-1000 2500 (EC)	

		European directive		Decree 2001-1220		WHO
		Limits of quality	Indicators of quality	Limits of quality	Indicators of quality	
Copper	mg/l	2,0		*2,0*	*1,0*	*2*
Total cyanide	µg/l	50		*50*		70
1,2 dichloroéthane	µg/l	3,0		*3,0*		
Epichlorhydrine	µg/l	0,1		*0,1*		
Iron	µg/l		200		*200*	
Fluorides	mg/l	1,5		*1,5*		1,5
Polycyclic aromatic hydrocarbons	µg/l	0,1		*0,1*		
Magnesium	mg./l					
Manganese	µg/l		50		*50*	*500*
Total mercury	µg/l	1,0		*1,0*		1
Microcystine LR	µg/l			*1*		
Nickel	µg/l	20		*20*		20
Nitrates	mg/l	50		*50 (1)*		50
Nitrites	mg/l	0,5		*0,5 – 0,1 (EC)*		0,2
Pesticides	µg/l	0,1		*0,03 to 0,1 following pesticides*		
Phosphor	mg(P_2O_5)/l					
Oxydability acid medium	mg/l		5,0		*5,0*	
pH			6,5≤ ≤9,5		*6,5≤ ≤9,5 4,5≤ ≤9 et ≤9*	
Total pesticides	µg/l	0,5		*0,5*		
Lead	µg/l	10		*10*		
Potassium	mg/l					
Selenium	µg/l	10		*10*		10
SiO_2	mg/l					
Sodium	mg/l		200		*200*	
Sulphates	mg/l		250		*250*	
TAC	°f					
Temperature	°C				*25*	
Tetrachloroethylene et Trichloroethylene	µg/l	10		*10*		40
TH	°f					
Total THM	µg/l	100		*100*		
Turbidity	NFTU		Qualitative (1) et (2)	*1*	0,5 et 2	
Zinc						

CAPTION

EC.: conditioned water
(1) Moreover, the sum of the nitrate concentration divided by 50 and of that into nitrites divided by 3 must remain lower than 1.
(2) From 0,5 for the ammonium of natural origin
(3) /250 ml for the water bottled or out of containers
(4) acceptable
(5) no abnormal change