Table 1. Microbiological and chemical requirements and recommendations for packaged domestic water (including spring water)

	· I	1			,	1	1
			recommendation				
			s for domestic				
		-		•			Maximum limits
				-			for residues
•	, ,						from treatment
•	recommendati	in bottles		· -			of natural
		or		_			mineral waters
-			-	<u>-</u>	•		and spring waters
		_			•	<u> </u>	by
						•	ozone-enriched
			I	· ·			air
	I			_			Directive
			· ·	_	_	T .	2003/40/EC,
tables 1-3)	(table 4)	(table 5)			marketing	2003/40/EC, Annex 1	Annex III
				_			Natural
				mineral water,	Natural	Natural	mineral water and
Domestic water	Domestic water	Domestic water	Domestic water	domestic water	mineral water		
and	and	and	and	and	and	mineral water	spring water
spring water	spring water	spring water	spring water	spring water	spring water	at packaging	at packaging
ters							
					No parasites or		
No micro-organisr	ms, parasites or o	constituents harm	ful to health		pathogens		
) pmy/100 ml		0 pmy/250 ml			0 pmy/250 ml		
) pmy/100 ml		0 pmy/250 ml	-	-	-		
		0 pmy/250 ml			0 pmy/250 ml		
					Before		
					bottling		
					- 20 pmy/ml		
				50,000 pmy/ml	After		
	no abnormal			(during	bottling **		
					i e	Ī	Ī.
	equirement Decree of the Ministry of Social Affairs and Health 352/2015, Annex ., par. 1 tables 1-3) Domestic water and pring water ters No micro-organism D pmy/100 ml D pmy/100 ml	Quality equirement Decree of the Ministry of Health Social Affairs and Health 1352/2015, Annex 1, par. 1 Annex 1, par. 1 (table 4) Domestic water and pring water ters No micro-organisms, parasites or of Decree of the Ministry of Ministry	Quality equirement Decree of the Ministry of Ministry of Decree of the Ministry of Ministry of Ministry of Social Affairs and Health Manex Ministry of Ministry of Social Affairs and Health Manex Ministry of Ministry of Social Affairs and Health Manex Ministry of Social Ministry of Ministry of Ministry of Social Ministry of Social Ministry of Social Ministry of Ministry of Ministry of Social Ministry of Social Ministry of Ministry of Ministry of Social Ministry of Ministry of Ministry of Ministry of Social Ministry of Minis	Additional requirements water sold in bottles or containers or containers Ministry of Social Affairs and Health Health 1352/2015, and Health 1352/2015, annex 1 Annex 1, par. 1 (table 4) (table 5) (table 6) Domestic water and pring water spring water opmy/100 ml Demy/100 ml	Additional for domestic water sold prime for domestic water sold or pectree of the pequirement on pecree of the pocial Affairs and Ministry of Decree of the pocial Affairs and Ministry of Social Affairs and Ministry of Social Affairs and Health plants (able 4) Decree of the pocial Affairs and Ministry of Social Affairs and Health plants (able 5) Decree of the pocial Affairs and Ministry of Social Affairs and Health plants (able 5) Decree of the pocial Affairs and Health plants (able 5) Decree of the pocial Affairs and Health plants (able 5) Decree of the pocial Affairs and prime plants (able 5) Decree of the pocial Affairs and prime plants (able 5) Decree of the pocial Affairs and prime plants (able 5) Decree of the pocial Affairs and prime plants (able 5) Decree of the plants (able 2010) Ministry of Social Affairs and plants (able 2010) Ministry of	Additional requirements for domestic water sold pecree of the on Ministry of Decree of the olimitary of Decree of the ocial Affairs and Ministry of Bealth Social Affairs and Ministry of Bealth Social Affairs and Health Health 1352/2015, and H	Additional requirements for domestic water sold requirement water sold or Decree of the equirement or Decree of the delath social Affairs and Ministry of Belath Sozial Affairs and Health Annex 1, par. 1 (Annex 1, par. 1) (Annex 1, par. 1) (Annex 1, par. 2) (Annex 1, par. 2) (Annex 1, par. 3) (Annex 1, par. 4) (Annex 1, par. 5) (Annex 1, par. 6) (Annex 1, par. 6) (Annex 1, par. 6) (Annex 1, par. 7) (Annex 1, par. 8) (Annex 1, par. 8) (Annex 1, par. 8) (Annex 1, par. 8) (Annex 1, par. 9) (Annex

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Table 1. Microbiological and chemical requirements and recommendations for packaged domestic water (including spring water)

Table 1: Wile oblologie			-	- Pastagea as				
Examined parameter	Quality requirement Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 1 (tables 1-3)	Quality recommendation Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 1 (table 4)	Additional requirements for domestic water sold in bottles or containers Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 2 (table 5)	Additional recommendations for domestic water sold in bottles or containers Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 2 (table 6)	166/2010 microbiological quality during marketing	Quality requirement 2009/54/EC, Article 5 at source during	Constituents naturally present in natural mineral waters and maximum limits which, if exceeded, may pose a risk to public health 2003/40/EC, Annex 1	Maximum limits for residues from treatment of natural mineral waters and spring waters by ozone-enriched air Directive 2003/40/EC, Annex III
	(100.00 1 0)	Keasie ij	reading 37	radic cy	Packaged	,		
					natural			
					· ·	Natural		Natural
			Domestic water	Domestic water			Natural	mineral water and
	and	and	and	and			mineral water	spring water
	spring water	spring water	spring water	spring water	spring water	spring water	at packaging	at packaging
						Before		
						bottling		
					50,000 mm. /m.l	- 5 pmy/ml		
Colony counts					/ 1 •	After		
1						bottling **		
37 °C 24 h			20 pmy/ml		marketing)	- 20 pmy/ml		
Coliform bacteria		0 pmy/100 ml		0 pmy/250 ml		0 pmy/250 ml		
Cl. Perfringens *		0 pmy/100 ml		ļ				
Spore-forming								
sulphite- reducing clostridia						0 pmy/50 ml		
						O PHIN/ SU IIII		
Faecal streptococci						0 pmy/250 ml		
parameters								
Acrylamide *	0.1 μg/l					0.1 μg/l		

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	1	-		<u> </u>		,		
	Quality requirement Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 1 (tables 1-3)	Quality recommendation Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 1 (table 4)	Additional requirements for domestic water sold in bottles or containers Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 2 (table 5)	Additional recommendations for domestic water sold in bottles or containers Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 2 (table 6)	quality during marketing	2009/54/EC, Article 5 at source during	Constituents naturally present in natural mineral waters and maximum limits which, if exceeded, may pose a risk to public health 2003/40/EC, Annex 1	Maximum limits for residues from treatment of natural mineral waters and spring waters by ozone-enriched air Directive 2003/40/EC, Annex III
Examined parameter	(tables 1 5)	(table 4)	(table 3)	rabic 0)	Packaged	marketing	2003/40/16, Allilex 1	Aillex III
					natural			
					•	Natural		Natural
			Domestic water	Domestic water		mineral water	Natural	mineral water and
	and	and	and	and			mineral water	spring water
	-	spring water	spring water	spring water	spring water		at packaging	at packaging
Antimony	5 μg/l						5 μg/l	
Arsenic	10 μg/l					10 μg/l	10 μg/l	
Barium							1.0 mg/kg	
Benzene	1.0 μg/l					1.0 μg/l		
Benzopyrene	0.01, μg/l					0.01, μg/l		
Boron	1.0 mg/l					1.0 mg/l	1.5 mg/l***	
Bromate *	10 μg/l					10 μg/l		
1,2-dichloroethane	3.0 μg/l					3.0 μg/l		
Mercury	1.0 μg/l					1.0 μg/l	1.0 μg/l	
Epichlorohydrin *	0.1 μg/l					0.1 μg/l		
Fluoride	1.5 mg/l					1.5 mg/l	5.0 mg/l	
Cadmium	5.0 μg/l					5.0 μg/l	3.0 μg/l	
Chlorophenols total *	10 μg/l					10 μg/l		
Chrome	50 μg/l					50 μg/l	50 μg/l	
Copper *	2.0 mg/l					2.0 mg/l	1.0 mg/l	
Lead *	10 μg/l					10 μg/l		

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Table 1. Microbiological and chemical requirements and recommendations for packaged domestic water (including spring water)

	ı	1	1	·	1	· · · · ·	T	
	1352/2015, Annex	Quality recommendation Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 1 (table 4)	Additional requirements for domestic water sold in bottles or containers Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 2 (table 5)	Additional recommendations for domestic water sold in bottles or containers Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 2 (table 6)		Quality requirement 2009/54/EC, Article 5 at source during marketing	Constituents naturally present in natural mineral waters and maximum limits which, if exceeded, may pose a risk to public health 2003/40/EC, Annex 1	Maximum limits for residues from treatment of natural mineral waters and spring waters by ozone-enriched air Directive 2003/40/EC, Annex III
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		,	Packaged			
					natural			Natural
						Natural	Natural	mineral water and
		Domestic water			,			
	Domestic water and	and	Domestic water and	Domestic water and	domestic water and	mineral water and	mineral water	spring water
	spring water	spring water	spring water	spring water	spring water	spring water	at packaging	at packaging
Nickel *	20 μg/l						20 μg/l	
Nitrate (NO ¯) *	50 mg/l					50 mg/l	50 mg/l	
Nitrite (NO ¯) *	0.5 mg/l					0.5 mg/l	0.1 mg/l	
Polycyclic								
aromatic								
hydrocarbons *	0.1 μg/l					0.1 μg/l		
Selenium	10 μg/l					10 μg/l	10 μg/l	
Cyanides	50 μg/l					50 μg/l	70 μg/l	
Tetrachloroethylene								
and	10 "					10 "		
trichloroethylene total	10 μg/l					10 μg/l		
Pesticides **	0.1 μg/l					0.1 μg/l		
Pesticides total **	0.50 μg/l					0.50 μg/l		
Trihalomethanes total**	100 μg/l					100 μg/l		

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Table 1. Microbiological and chemical requirements and recommendations for packaged domestic water (including spring water)

		· 	Ī	'	<u> </u>	, , , , , , , , , , , , , , , , , , ,	1	
Examined parameter	Quality requirement Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 1 (tables 1-3)	Decree of the Ministry of Social Affairs and Health 1352/2015,	Additional requirements for domestic water sold in bottles or containers Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 2 (table 5)	Additional recommendations for domestic water sold in bottles or containers Decree of the Ministry of Social Affairs and Health 1352/2015, Annex 1, par. 2 (table 6)	quality during marketing	Quality requirement 2009/54/EC, Article 5 at source during marketing	Constituents naturally present in natural mineral waters and maximum limits which, if exceeded, may pose a risk to public health 2003/40/EC, Annex 1	Maximum limits for residues from treatment of natural mineral waters and spring waters by ozone-enriched air Directive 2003/40/EC, Annex III
Examined parameter	(tubics 1 3)	rubic 4)	(tubic 3)	rubic 0)	Packaged	marketing	2005) 40) 20, Alliex 1	Allinex III
					natural			Natural
					•	Natural	Natural	mineral water and
		Domestic water		Domestic water		mineral water		
	and	and	and	and	and	and	mineral water	spring water
	spring water	spring water	spring water	spring water		spring water	at packaging	at packaging
Uranium	30 μg/l					30 μg/l		
Vinyl chloride	0.50 μg/l					0.50 μg/l		
Organic carbon		no abnormal						
total (TOC)		changes						
рН		6,5-9,5		4,5-9,5				
Smell and taste		no abnormal changes						
Opacity		no abnormal changes						
Colour		no abnormal changes						
Aloneinione		200/!						
Aluminium		200 μg/l						
Ammonium (NH ₄ ⁺)		0.50 mg/l						

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		1	1	1	T			_
				Additional				
				recommendation				
			Additional	s for domestic				
			requirements		Quality			Maximum limits
			· -		•		Constituents	for residues
	Quality	Quality	water sold		requirement Decree of the		naturally present	from treatment
	•	recommendati					in natural mineral	of natural
					Ministry of Agriculture and		waters and	mineral waters
			or containers	Ministry of Social	•	Quality	maximum limits	
	Social Affairs and		Containers Ministry of Social	-	166/2010	•		and spring waters
		<u>-</u>	Affairs and		· ·	requirement 2009/54/EC,	which, if exceeded,	by ozone-enriched
					quality	Article 5	may pose	air
			1352/2015,		during	at source	a risk to	Directive
		Annex 1, par. 1			marketing	during	public health	2003/40/EC,
Examined parameter	· •	(table 4)	(table 5)	(table 6)	(reference value)	_	r	Annex III
Lxammed parameter	(tables 1-5)	(table 4)	(table 3)		Packaged	inarketing	2003/40/LC, Allilex 1	MIIIEX III
					natural			Natural
						Natural	Natural	mineral water and
	Domestic water	Domestic water	Domostic water		•	mineral water	Naturai	illilleral water allu
			and		and	and	mineral water	caring water
								spring water
	spring water	spring water	spring water	spring water	spring water	spring water	at packaging	at packaging
Oxidation		"						
(CODMnO2) *		5.0 mg/l						
Chloride **		250 mg/l						
Manganese		50 μg/l					0.5 mg/l	
Sodium		200 mg/l						
Iron		200 μg/l						
Radon **		300 Bq/l						
Sulphate **		250 mg/l						
Electrical conductivity		under 2500						
*		μS/em						
Dissolved ozone								50 μg/l
Bromates *								3 μg/l
Bromoforms								1 μg/l
	1	ı		1		1	1	1 0

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