

Food Fortification Legislation: Latin America and Caribbean

Country	Mandate or Standards	Product concerned	Micronutrient							
			vit A (IU/kg)	Vit D (IU/kg)	thiamin (mg/kg)	Riboflavin (mg/kg)	Niacin (mg/kg)	Folate (mg/kg)	Iron (mg/kg)	others (levels/kg)
Argentina	Res. 1505 Art 1368 (10/08/88)	Milk	2500/L	400IU/L						
	Ley 25.630, 22/08/2002	Wheat flour			6.3	1.3	13.0	2.2	30.0	
Barbados	Carribbean Standard 1991	Wheat flour	2340		5.7	4	46		37	
Bolivia	decree 21420 nov 1996	Wheat flour			4.45 ² (4.47)	2.65	35.6	1.5	60	
	Legislation foreseen	Oil and milk								Vit B
Brazil	Portaria MS No 975 (17/09/90)	Dried skim milk for complementary foods	15000-25000	2000-2400						
	Decree 30.691 art 350 (29/03/52)	Margarine	15000-50000	500-2000						
	Resolution RDC 344 (13/12/02)	Wheat flour						1.5	42	
Chile	Reglamento Sanitario de los alimentos art 263 (13/05/97)	Margarine	30000	3000						
	Reglamento Sanitario de los alimentos art 350 (13/05/97)	Wheat flour			6.3	1.3	13	2	30	
	Reglamento Sanitario de los alimentos art 363 (13/05/97)	Pasta			9	3	57		30	
Colombia	Resolucion 11488/84 Articulo 52 (22/08/84)	Margarine	30000	300						
	Decreto 1944 passed in 1996	Wheat flour			6	4	55	1.54	44	

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Costa Rica	Reglamento Centroamericano R-UAC67.(15/01/02)	Wheat flour			5.4	3.6	45	1.8	45	
	mandate being written/to be consolidated with wheat flour	Corn flour			4.0mg	2.5mg	45	1.3mg	22.0	
	Decreto #30031-S	Rice			5.3mg	3.5mg	35	1.8mg	22	
	Decreto #29629-S julio 2001	Milk	2400					1.6mg	5.6mg	
	#27021-S 1998, #27957-S 1999, #28482-S 2000, #30140-S 2002	Sugar	50000							
Dominican Republic	Comienza a acatar Dec 92, revised in 1997	Wheat flour			6	4	55	1,5	60	
	mandate has to be passed in 2003 ²	Wheat flour			5.4mg	3.6mg	45	1.8mg	45	
	Legislation foreseen	Sugar	Vit A							
Ecuador	Norma INEN 282	Margarine	20000-30000	2000-4000						
	legislation passed in 1996	Wheat flour			4	7	40	0.6	55	
El Salvador	Decreto No 843 (14/04/94)	Sugar	50000							
	Reglamento Centroamericano R-UAC67.(15/01/02)	Wheat flour			5.4mg	3.6mg	45	1.8mg	45	
	mandate being written/to be consolidated with wheat flour	Corn flour			4.0mg	2.5mg	45	1.3mg	22.0	
	NORMA	Margarine	15000							

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Guatemala	Norma COGUANOR NGO-34176 (06/86)	Milk (skim and whole)	2000-3000	400-600						
	Norma COGUANOR NGO-34092 (10/85) Norma	Margarine	15000-50000							
		Breakfast cereals, fruit juice								Vit. C
	Reglamento Centroamericano R-UAC67.(15/01/02)	Wheat flour			5.4mg	3.6mg	45	1.8mg	45	
	mandate being written/to be consolidated with wheat flour	Corn flour			4.0mg	2.5mg	45	1.3mg	22.0	
	Coguanor NGO 34176 (06/86)	Pasta			8.8-11.0	3.7-4.8	59.5-74.9		26.8-36.8	
	Decreto No. 56-74 (28/06/74) and Regulation 07/01/00 governmental agreement	Sugar	50000							
	Reglamento de la Ley General de Salud, art 368	Evaporated whole low fat milk	4000/L	400IU/L						
Reglamento de la Ley General de Salud, art 651 (18/01/88)	Margarine/ spreads	20000	2000							
Honduras	Standard of the Industry	Milk	2000/L	400IU/L						
	Standard of the industry	Margarine	35000	1500						
	Decreto No.385 (07/10/76)	Sugar	50000							
	Reglamento Centroamericano R-UAC67.(15/01/02)	Wheat flour			5.4	3.6	45	1.8	45	
	mandate being written/to be consolidated with wheat flour	Corn flour			4.0	2.5	45	1.3	22.0	

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Mexico	NOM-184-SSA1-2002	Milk (pasteurized, ultrapasteurized, sterilized, powder)	1033- 2333	200-300							
	Reglamento de la Ley General de Salud, art 651 (18/01/88)	Sterilized low fat milk	4000/L	400IU/L							
	Reglamento de la Ley General de Salud, art 262 (18/01/88)	Pateurized low fat milk	4000/L	400IU/L							
	Reglamento de la Ley General de Salud, art 368	Evaporated whole low fat milk	4000/L	400IU/L							
	Reglamento de la Ley General de Salud, art 651 (18/01/88) and NMX-F-016-S-1979	Margarine/ spreads	20000	2000							
	Gentlemen agreement between industries and government	Corn flour				4.0-8.0	2.4-5	28-45	0.4-0.8	35	(zinc: 20mg)
		Wheat flour				4.0-8.0	2.4- 5	28 - 45	0.4-0.8	24-40	zinc: 16-26mg
	NOM-147-SSA1-1996	Wheat flour						2.0	35		
Nicaragua	Reglamento Centroamericano R-UAC67.(15/01/02)	Wheat flour			5.4	3.6	45	1.8	45		
	mandate being written/to be consolidated with wheat flour	Corn flour			4.0	2.5	45	1.3	22.0		
	legislation passed in 1999	Sugar	50000								
Panama	Reglamento Centroamericano R-UAC67.(15/01/02)	Wheat flour			5.4	3.6	45	1.8	45		
	mandate being written/to be consolidated with wheat flour	Corn flour			4.0	2.5	45	1.3	22.0		
	Decreto No. 385 (07/10/76) (not enforced)	Sugar	50000								

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Paraguay	Decrece 20830, 1998	Wheat flour			4.5 ² (4)	2.5 ² (7)	35 ² (40)	3 ² (0.6)	45 ² (55)	
Peru	DS No.004-96-SA (08/96)	Wheat flour							30	
	Norma ITINTEC	Margarine	30000	3000						
Trinidad and Tobago	Caricom Standard 1997	Wheat flour							16.4-36.4	
Venezuela	Covenin 1981	Dried milk powder	4000/L	400IU/L						
	Decreto 1993	Wheat flour (for bread only)			1.5	2	20		20	
	Decreto No. 2.492 (20/08/92)	Preecooked corn flour	9500		3.1	2.5	51		50	

Based on: "Summary and Voluntary Staple Food Fortification in Developing Countries" MOST/USIAD (28/04/00)

www.fao.org/docrep/W2840E/w2840Ee0e.htm

For more information on BASF's engagement in malnutrition, products and technical capacities please visit the website of BASF Micronutrient Initiatives at

www.food-fortification.com.