

/ /

Redielac

2001

0.06 100 0.25 100

0.001 0.041 0.19 1.29 1.19

, 0.31 0.28 100/

100 0.23 9.78 , 45.8

(17 19).

(11 10) FAO /WHO

(1)

(6 5).

Macroelements

Trace Elements

Microelements

(21 20).

2001

.Redielac

5	Dry Ashing	.1
	Redielac	
550	Muffle Furnace	15
		24
		.(3 4)
		.2
		5
	50	
	Blank	
	Fluka	
	Flame Atomic	
	Shimadzu	Absorption Spectrophotometer
	196 279.5 324,8 213.9	
		.(7 15)
	100	.3
	(7)	

$$\frac{100x}{419} = \frac{100}{(419) \text{ Redielac}} *$$

(1 )

Vinamilk                      Redielac

, 100      0.25

0.041 , 0.19 , 1.29 , 1.19

100      0.001,

100      0.06

0.23      9.78      45.8      0.31      0.28

100

:(1)

100      100      (Redielac)

100/	100/	
0.28	1.19	
0.31	1.29	
45.8	0.19	
9.78	0.041	
0.23	0.001	

0.06	0.25	
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Redielac

Abbott

Similac

7.68 0.43 13.67 63.84 , 1 , 73 , 3  
100 0.79

Nestle

Cerelac

, 1.68 , 2.4  
100 0.76 9.6

Birlik

Ulker Baby

, 12 , 48 , 1.2 , 2.64  
100 0.72

Bakhour

Samilac

, 5 , 10 , 1.5 , 2.49  
100 0.75

2007 2000

Farimil, Materna, Sunny Boy

1.68  
0.72 , 6.48 0.64  
100  
2005 2003

Baby food, Havle, Neptun

Multiple

(12) FAO

Fortification

B A

(6)

( )

\*(PAHO)

(16)

(10 11)

(1)

(13)

100

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\* Pan American Health Organization.

(14)

Undernutrition

Micro Nutrient Deficiency

148

.(18) FAO/WHO

(20) WHO/FAO

Recommended Nutrient Intakes(RNIs)

:	12-6				
	.	10	90	4.8	9.3
*	/		/		

12-6

Dietary Reference Intakes ( DRI<sub>s</sub>)

20	60	220 ,	3 ,	11 :
	5,5	3 ,	5 ,	130

.(8)

(2)

1989

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\* Food and Nutrition Board, National Academy of Science, Institute of Medicine.

.1

.2



- .1 (1986).
- .2 (1990).
- .3 (1987).
- .4 (2003).
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## Study the content of some essential trace elements in one kind of imported cereal infant food

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### Abstract

The aim of this study is to determine some essential trace elements in cereal infant food named Redialac.

This product is imported by Iraqi Trade Ministry for infant food ration distribution system since 2001, and yet is still found in local and trade markets.

Total ash was determined by dry ashing method. The result revealed that the food contain about 0.25g/100g ash with average composition of 0.06g/100 kcal Essential trace elements were determined by Flame Atomic Absorption Spectrometer, the concentration for Iron, Zinc, Copper, Manganese and Selenium were 1.19, 1.29, 0.19, 0.041, 0.001 mg/100g with average composition of 0.28 mg, 0.31mg 45.8 µmg, 9.78 µmg and 0.23 µmg/100kcal.