

FREQUENCY DISTRIBUTIONS OF AVERAGE DAILY INTAKE FROM ALL INTENTIONAL ADDITION TO FOODS

AGE GROUP	TOTAL SAMPLES	EATERS		EATERS ONLY						TOTAL SAMPLE (EATERS & NONEATERS)					
		NO.	PCT	MEAN**	STD-DEV	50-PCTL	90-PCTL	95-PCTL	99-PCTL	MEAN**	50-PCTL	90-PCTL	95-PCTL	99-PCTL	
NAS SUBSTANCE 5402 : ORANGE B															
SOURCE BY CATEGORY: 10(100%)															
INTAKE IN MILLIGRAMS															
0 - 5 MO.	52	1	1.6%	1.2	-	1.2	1.2	1.2	1.2	1.2	.019	-	-	-	1.2
6 - 23 MO.	275	145	52.7%	1.4	1.2	1.2	3.1	3.5	6.3	1.74	.39	2.3	3.1	5.1	
2 - 5 YR.	903	780	86.4%	1.9	1.2	1.6	3.6	4.2	5.7	1.6	1.6	3.1	4.2	5.7	
6 - 12 YR.	1,776	1,515	85.3%	2.1	1.4	1.8	4.2	4.8	5.5	1.8	1.8	3.6	4.8	6.5	
13 - 17 YR.	1,133	941	83.1%	2.5	1.7	2.3	4.7	6.2	7.5	2.1	1.6	4.7	5.5	7.8	
18 - 44 YR.	3,990	3,013	75.5%	2.4	1.8	1.6	4.5	6.0	8.2	1.8	1.5	4.5	5.2	8.1	
45+ YR.	4,198	4,558	60.9%	2.2	1.7	1.7	4.3	5.4	8.3	1.3	.77	3.4	4.6	7.6	
2+ YR.	12,000	8,907	73.4%	2.2	1.6	1.7	4.5	5.5	7.8	1.6	1.2	3.8	5.1	7.5	
NAS SUBSTANCE 5403 : FD&C BLUE NO. 1															
SOURCE BY CATEGORY: 08(58%) 01(16%) 25(13%) 20(4%) 24(4%) 16(2%) 05(1%) 07(1%) 10(1%)															
INTAKE IN MILLIGRAMS															
0 - 5 MO.	62	24	38.7%	.50	1.7	.012	.91	4.3	7.2	.23	-	.15	.73	7.2	
6 - 23 MO.	275	252	91.6%	2.9	3.1	2.0	7.4	9.2	11	2.7	1.7	7.2	9.0	11	
2 - 5 YR.	903	801	88.8%	3.8	3.2	2.9	8.1	9.7	15	3.8	2.9	8.1	9.7	15	
6 - 12 YR.	1,776	1,774	99.9%	4.5	3.1	3.8	8.7	11	15	4.5	3.8	8.7	11	15	
13 - 17 YR.	1,133	1,132	99.9%	4.6	3.4	3.9	9.1	12	16	4.6	3.9	9.1	12	16	
18 - 44 YR.	3,990	3,979	99.7%	3.5	3.1	2.8	7.6	9.4	14	3.6	2.8	7.5	9.4	14	
45+ YR.	4,198	4,193	99.9%	4.4	3.8	3.5	9.4	12	17	4.4	3.5	9.4	12	17	
2+ YR.	12,000	11,979	99.8%	4.1	3.4	3.3	8.6	11	15	4.1	3.3	8.5	11	16	
NAS SUBSTANCE 5404 : FD&C RED NO. 2															
SOURCE BY CATEGORY: 10(21%) 01(20%) 08(20%) 02(11%) 23(7%) 20(6%) 07(5%) 13(3%) 16(2%)															
INTAKE IN MILLIGRAMS															
0 - 5 MO.	62	21	33.9%	.68	1.3	.091	1.7	4.2	4.4	.23	-	.61	.98	4.4	
6 - 23 MO.	275	251	91.3%	5.9	5.0	4.9	12	15	24	5.4	4.1	12	15	24	
2 - 5 YR.	903	902	99.9%	9.1	5.2	8.5	16	18	26	9.1	8.5	16	18	26	
6 - 12 YR.	1,776	1,773	99.8%	9.9	5.7	9.1	17	20	28	9.9	9.1	17	20	28	
13 - 17 YR.	1,133	1,132	99.9%	9.6	5.6	8.8	17	19	26	9.6	8.8	17	19	26	
18 - 44 YR.	3,990	3,976	99.6%	7.0	4.6	6.0	13	16	22	6.9	6.0	13	16	22	
45+ YR.	4,198	4,192	99.8%	7.0	4.9	5.9	13	16	23	7.0	5.9	13	16	23	
2+ YR.	12,000	11,975	99.8%	7.8	5.2	6.8	15	18	24	7.8	6.8	15	18	24	
NAS SUBSTANCE 5405 : FD&C RED NO. 40															
SOURCE BY CATEGORY: 08(51%) 23(19%) 01(10%) 20(5%) 06(2%) 16(2%) 19(2%) 21(2%) 05(1%)															
INTAKE IN MILLIGRAMS															
0 - 5 MO.	62	22	35.5%	4.4	12	.08	6.2	30	48	1.6	-	.64	4.7	48	
6 - 23 MO.	275	253	92.0%	19	18	14	44	60	74	18	12	43	59	74	
2 - 5 YR.	903	902	99.9%	26	19	22	50	64	95	26	22	50	64	95	
6 - 12 YR.	1,776	1,772	99.8%	31	20	27	58	68	90	31	27	58	68	90	
13 - 17 YR.	1,133	1,132	99.9%	33	22	28	62	75	100	33	28	62	75	100	
18 - 44 YR.	3,990	3,976	99.6%	26	20	21	50	64	94	25	21	50	64	94	
45+ YR.	4,198	4,190	99.8%	30	25	24	62	76	110	30	24	62	76	110	
2+ YR.	12,000	11,972	99.8%	29	22	24	57	70	100	29	24	57	70	100	

00251

(-) VALUE = ZERO  
(+) VALUE > ZERO

(\*\*) NOTE: GREAT CAUTION MUST BE EXERCISED TO ENSURE THAT MEAN VALUES ARE NOT MISUSED (SEE INTRODUCTORY TEXT).

FREQUENCY DISTRIBUTIONS OF AVERAGE DAILY INTAKE FROM ALL INTENTIONAL ADDITION TO FOODS

AGE GROUP	TOTAL SAMPLE	EATERS		EATERS ONLY						TOTAL SAMPLE (EATERS & NONEATERS)				
		NO.	PCT	MEAN	STD-DEV	50-PCTL	90-PCTL	95-PCTL	99-PCTL	MEAN	50-PCTL	90-PCTL	95-PCTL	99-PCTL

1511

(-) VALUE = ZERO  
(\*) VALUE > ZERO

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-----NAS SUBSTANCES-----  
5406 5407 5408 5409

FREQUENCY DISTRIBUTIONS OF AVERAGE DAILY INTAKE FROM ALL INTENTIONAL ADDITION TO FOODS

AGE GROUP	TOTAL SAMPLE	EATERS		EATERS ONLY						TOTAL SAMPLE (EATERS & NONEATERS)				
		NO.	PCT	MEAN**	STD-DE.	50-PCTL	90-PCTL	95-PCTL	99-PCTL	MEAN**	50-PCTL	90-PCTL	95-PCTL	99-PCTL
NAS SUBSTANCE 5410 : FD&C BLUE NO. 1--ALUMINUM LAKE SOURCE BY CATEGORY: 16(14%) 20(19%) 31(18%) 01(1%) 17(5%) 23(4%) 02(1%) 07(1%)														
INTAKE IN MILLIGRAMS														
0 - 5 MO.	62	8	12.9%	.097	.15	.0051	.42	.42	.42	.011	-	.0043	.0051	.42
6 - 23 MO.	275	227	82.5%	.52	.93	.22	1.2	1.6	5.1	.43	.13	1.0	1.6	5.1
2 - 5 YR.	903	891	98.7%	1.2	1.6	.56	3.1	4.4	7.5	1.2	.56	3.0	4.4	7.2
6 - 12 YR.	1,776	1,758	99.0%	1.0	1.3	.59	2.5	3.5	6.4	1.0	.59	2.5	3.4	6.4
13 - 17 YR.	1,133	1,117	98.6%	1.1	1.5	.55	2.9	4.2	7.1	1.1	.54	2.8	4.1	7.1
18 - 44 YR.	3,990	3,759	94.2%	.76	1.4	.30	1.9	3.3	7.1	.72	.25	1.8	3.1	6.9
45+ YR.	4,196	4,007	95.5%	.70	1.2	.38	1.6	2.5	5.7	.67	.33	1.6	2.4	5.7
2+ YR.	12,000	11,532	96.1%	.85	1.4	.40	2.1	3.3	6.6	.81	.37	2.1	3.2	6.5
NAS SUBSTANCE 5412 : FD&C RED NO. 3--ALUMINUM LAKE SOURCE BY CATEGORY: 01(.6%) 16(.26%) 20(1.1%) 31(.8%) 17(.5%) 22(.2%) 05(1%)														
INTAKE IN MILLIGRAMS														
0 - 5 MO.	62	5	8.1%	.30	.39	.054	.90	.90	.90	.029	-	-	.054	.90
6 - 23 MO.	275	229	83.3%	1.3	1.8	.6	2.6	3.3	9.9	1.1	.57	2.4	3.5	9.9
2 - 5 YR.	903	899	99.6%	2.8	3.0	1.9	6.4	7.9	14	2.7	1.8	6.4	7.9	14
6 - 12 YR.	1,776	1,756	98.9%	2.3	2.8	2.1	6.2	8.0	14	2.9	2.0	6.2	8.0	14
13 - 17 YR.	1,133	1,116	98.5%	3.1	3.2	2.2	7.1	9.4	15	3.1	2.2	7.1	9.2	15
18 - 44 YR.	3,990	3,775	94.6%	2.1	2.9	1.2	5.1	7.6	14	2.0	1.1	5.0	7.4	14
45+ YR.	4,198	4,048	96.4%	2.4	3.1	1.5	5.5	8.3	16	2.4	1.4	5.5	8.1	16
2+ YR.	12,000	11,584	96.5%	2.5	3.0	1.6	5.9	8.1	15	2.4	1.5	5.7	8.0	15
NAS SUBSTANCE 5414 : FD&C RED NO. 40--ALUMINUM LAKE SOURCE BY CATEGORY: 01(.61%) 16(.21%) 23(1.0%) 17(.5%) 31(2%) 22(1%)														
INTAKE IN MILLIGRAMS														
0 - 5 MO.	62	3	4.8%	.60	.84	.00	1.8	1.6	1.6	.031	-	-	-	1.6
6 - 23 MO.	275	212	77.1%	2.2	4.0	1.1	4.8	7.3	23	1.7	.59	3.6	6.1	23
2 - 5 YR.	903	868	96.1%	4.1	5.6	2.4	9.6	13	29	4.0	2.2	9.4	13	27
6 - 12 YR.	1,776	1,711	96.3%	4.9	5.5	3.0	10	14	28	4.7	3.1	10	14	28
13 - 17 YR.	1,133	1,082	95.6%	5.2	5.6	3.5	12	16	28	5.0	3.2	11	16	26
18 - 44 YR.	3,990	3,550	89.0%	3.3	5.6	2.1	6.4	12	28	3.3	1.8	7.9	12	26
45+ YR.	4,198	3,684	87.8%	3.6	5.4	2.1	8.0	12	26	3.3	1.8	8.0	12	25
2+ YR.	12,000	10,895	90.8%	4.1	5.5	2.4	9.1	13	27	3.7	2.1	8.8	12	26
NAS SUBSTANCE 5415 : FD&C RED NO. 40--CALCIUM LAKE SOURCE BY CATEGORY: 24(100%)														
INTAKE IN MILLIGRAMS														
0 - 5 MO.	62	-	-	-	-	-	-	-	-	-	-	-	-	-
6 - 23 MO.	275	-	-	-	-	-	-	-	-	-	-	-	-	-
2 - 5 YR.	903	1	.1%	1.3	-	1.3	1.3	1.3	1.3	.0014	-	-	-	-
6 - 12 YR.	1,776	5	.3%	1.9	.70	1.3	2.6	2.6	2.6	.0051	-	-	-	-
13 - 17 YR.	1,133	5	.3%	2.1	.74	2.6	2.6	2.6	2.6	.0057	-	-	-	-
18 - 44 YR.	3,990	82	2.1%	2.5	1.5	2.3	4.5	6.4	8.0	.052	-	-	-	2.3
45+ YR.	4,196	95	2.3%	2.5	1.6	1.9	3.9	6.4	9.6	.058	-	-	-	1.9
2+ YR.	12,000	187	1.6%	2.5	1.5	1.9	3.9	6.4	8.0	.039	-	-	-	1.9

(-) VALUE = ZERO  
 (\*) VALUE > ZERO

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-----NAS SUBSTANCES-----  
 5410 5412 5414 5415

FREQUENCY DISTRIBUTIONS OF AVERAGE DAILY INTAKE FROM ALL INTENTIONAL ADDITION TO FOODS

AGE GROUP	TOTAL SAMPLE	EATERS					NONEATERS					TOTAL SAMPLE (EATERS & NONEATERS)				
		NO.	PCT.	MEAN**	STD-DEV	50-PCTL	90-PCTL	95-PCTL	99-PCTL	MEAN**	50-PCTL	90-PCTL	95-PCTL	99-PCTL		
NAS SUBSTANCE 5416 : FD&C YELLOW NO. 5 - ALUMINUM LAKE																
SOURCE BY CATEGORY:		16(29%)	31(22%)	23(12%)	31(12%)	10(9%)	35(5%)	02(4%)	17(4%)	22(3%)						
INTAKE IN MILLIGRAMS																
0 - 5 MO.	62	6	9.7%	.65	.08	-.14	2.1	2.1	2.1	.063	-	-	.14	2.1		
6 - 23 MO.	275	223	80.7%	2.2	3.5	1.2	4.5	7.0	20	1.8	1.90	3.7	6.5	20		
2 - 5 YR.	903	893	98.9%	4.5	5.4	2.7	11	14	30	4.4	2.7	10	14	27		
6 - 12 YR.	1,776	1,761	99.2%	4.3	4.7	2.8	9.5	13	26	4.3	2.7	9.5	13	26		
13 - 17 YR.	1,133	1,117	98.6%	4.3	5.0	2.5	10	15	25	4.2	2.3	9.9	15	25		
18 - 44 YR.	3,990	3,796	95.1%	3.0	4.8	1.5	7.0	11	22	2.8	1.4	6.7	11	22		
45+ YR.	4,198	4,026	95.9%	2.5	3.9	1.5	5.6	8.3	17	2.4	1.4	5.5	8.2	17		
2+ YR.	12,000	11,595	96.6%	3.3	4.6	1.9	7.6	11	22	3.1	1.7	7.4	11	22		
NAS SUBSTANCE 5417 : FD&C YELLOW NO. 5 - CALCIUM LAKE																
SOURCE BY CATEGORY:		16(100%)														
INTAKE IN MICROGRAMS																
0 - 5 MO.	62	-	-	-	-	-	-	-	-	-	-	-	-	-		
6 - 23 MO.	275	13	4.7%	91	140	41	61	570	570	4.3	-	-	-	81		
2 - 5 YR.	903	135	15.0%	96	83	49	200	250	440	15	-	49	98	250		
6 - 12 YR.	1,776	313	17.6%	99	62	53	210	260	460	19	-	53	110	260		
13 - 17 YR.	1,133	186	16.4%	95	61	55	160	220	330	16	-	55	110	220		
18 - 44 YR.	3,990	449	11.2%	110	100	61	230	300	540	12	-	54	61	240		
45+ YR.	4,198	477	11.4%	110	130	53	210	320	820	13	-	46	92	210		
2+ YR.	12,000	1,597	13.3%	110	100	57	210	330	560	14	-	53	98	230		
NAS SUBSTANCE 5420 : FD&C YELLOW NO. 6 - ALUMINUM LAKE																
SOURCE BY CATEGORY:		16(31%)	17(24%)	23(13%)	23(12%)	10(9%)	31(5%)	22(3%)	02(1%)	05(1%)						
INTAKE IN MILLIGRAMS																
0 - 5 MO.	62	6	9.7%	.35	.44	-.11	1.0	1.0	1.0	.034	-	-	.11	1.0		
6 - 23 MO.	275	228	82.9%	1.1	1.6	-.59	2.8	4.1	8.3	.93	1.35	2.3	3.4	8.3		
2 - 5 YR.	903	892	98.8%	2.6	3.1	1.6	6.7	9.2	13	2.6	1.6	6.7	9.1	13		
6 - 12 YR.	1,776	1,757	98.9%	2.7	3.2	1.5	7.2	9.2	15	2.0	1.5	7.0	9.1	15		
13 - 17 YR.	1,133	1,114	98.3%	2.5	3.3	1.3	7.5	9.7	15	2.6	1.3	7.4	9.7	15		
18 - 44 YR.	3,990	3,733	93.6%	1.7	2.8	1.0	4.7	7.6	14	1.6	1.61	4.5	7.3	13		
45+ YR.	4,198	3,976	94.7%	1.4	2.4	1.05	3.5	5.0	12	1.4	1.57	3.4	5.6	12		
2+ YR.	12,000	11,472	95.6%	1.9	2.9	1.05	5.2	8.1	14	1.8	1.78	5.0	7.9	13		
NAS SUBSTANCE 5422 : FD&C BLUE NO. 2 - ALUMINUM LAKE																
SOURCE BY CATEGORY:		16(32%)	31(27%)	17(22%)	01(1%)											
INTAKE IN MILLIGRAMS																
0 - 5 MO.	62	-	-	-	-	-	-	-	-	-	-	-	-	-		
6 - 23 MO.	275	89	32.4%	.35	.67	-.095	1.90	2.0	4.1	.11	-	.26	.54	2.3		
2 - 5 YR.	903	562	62.2%	1.5	1.67	1.33	1.3	1.7	3.6	.34	.064	1.1	1.4	2.5		
6 - 12 YR.	1,776	1,044	59.1%	.54	1.79	1.32	1.3	1.8	3.7	.32	.033	.98	1.4	3.0		
13 - 17 YR.	1,133	595	52.5%	.54	1.82	1.30	1.4	2.0	2.8	.28	.014	.93	1.4	2.4		
18 - 44 YR.	3,990	1,613	40.5%	.49	1.79	1.19	1.3	1.0	3.2	.20	-	.57	1.1	2.5		
45+ YR.	4,198	1,475	35.1%	.39	1.63	1.15	1.37	1.0	2.9	.14	-	.41	.75	2.0		
2+ YR.	12,000	7,335	61.1%	.48	1.74	1.21	1.3	1.7	3.1	.21	-	.68	1.2	2.3		

(-) VALUE = ZERO  
(+) VALUE > ZERO

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-----NAS SUBSTANCES-----  
5416 5417 5420 5422