

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	74.2%	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%	1.0	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	5.8	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
NAS SUBSTANCE 5406 : FD&C YELLOW NO. 5 YELLOW 5														
SOURCE BY CATEGORY: 08(37%) 01(10%) 02(9%) 23(8%) 14(7%) 21(5%) 24(5%) 16(3%) 20(3%)														
INTAKE IN MILLIGRAMS														
0 - 5 MO.	62	23	37.1%	1.6	4.4	11	21	11	19	.58	-	.31	1.1	19
6 - 23 MO.	275	255	92.7%	9.4	7.3	8.0	20	25	28	8.7	7.2	20	24	28
2 - 5 YR.	903	902	99.9%	13	6.4	11	23	28	37	13	11	23	28	37
6 - 12 YR.	1,776	1,772	99.8%	15	7.9	13	25	29	37	14	13	25	29	37
13 - 17 YR.	1,133	1,131	99.8%	15	8.6	13	27	31	41	15	13	27	31	41
18 - 44 YR.	3,990	3,977	99.7%	13	8.6	11	24	28	40	13	11	24	28	40
45+ YR.	4,198	4,192	99.9%	15	10	13	28	34	48	15	13	28	34	48
2+ YR.	12,000	11,974	99.8%	14	9.2	12	26	31	43	14	12	26	31	43
NAS SUBSTANCE 5407 : FD&C GREEN NO. 3 GREEN 3														
SOURCE BY CATEGORY: 08(57%) 01(2%) 23(8%) 16(4%) 24(4%) 09(2%) 20(2%) 07(1%) 28(1%)														
INTAKE IN MILLIGRAMS														
0 - 5 MO.	62	13	21.0%	.27	.60	.0036	1.1	2.0	2.0	.056	-	.0036	.13	2.0
6 - 23 MO.	275	232	84.4%	1.38	.67	.57	1.7	2.1	2.7	.58	.39	1.5	2.0	2.7
2 - 5 YR.	903	894	99.0%	1.57	.74	.61	1.8	2.3	3.3	.82	.61	1.8	2.3	3.3
6 - 12 YR.	1,776	1,755	98.8%	1.1	.83	.95	2.2	2.7	3.5	1.1	.94	2.3	2.7	3.5
13 - 17 YR.	1,133	1,111	98.1%	1.2	.90	1.0	2.5	3.0	3.6	1.2	.97	2.5	3.0	3.8
18 - 44 YR.	3,990	3,844	96.3%	1.85	.90	.58	1.9	2.5	4.2	.81	.55	1.9	2.5	4.1
45+ YR.	4,198	4,069	96.9%	1.1	1.1	.84	2.5	3.2	5.2	1.1	.81	2.4	3.2	5.2
2+ YR.	12,000	11,673	97.3%	1.0	.97	.76	2.2	2.8	4.3	.99	.73	2.2	2.8	4.3
NAS SUBSTANCE 5408 : FD&C YELLOW NO. 6 YELLOW 6														
SOURCE BY CATEGORY: 23(28%) 01(20%) 02(11%) 20(11%) 10(9%) 06(5%) 16(4%) 07(3%) 15(2%)														
INTAKE IN MILLIGRAMS														
0 - 5 MO.	62	24	38.7%	.39	.93	.045	.76	2.8	3.8	.15	-	.11	.59	3.8
6 - 23 MO.	275	252	91.6%	6.9	6.2	5.3	14	18	32	6.3	4.3	14	17	32
2 - 5 YR.	903	902	99.9%	12	5.9	11	21	23	34	12	11	21	25	34
6 - 12 YR.	1,776	1,774	99.9%	14	8.0	13	24	29	41	14	13	24	29	41
13 - 17 YR.	1,133	1,132	99.9%	14	8.3	12	25	30	38	14	12	26	30	38
18 - 44 YR.	3,990	3,950	99.2%	11	8.3	9.7	20	25	38	11	8.7	20	25	38
45+ YR.	4,198	4,194	99.9%	11	8.5	7.6	19	24	35	9.5	7.6	19	24	35
2+ YR.	12,000	11,982	99.9%	11	8.4	9.3	21	25	37	11	9.3	21	26	37
NAS SUBSTANCE 5409 : FD&C BLUE NO. 2 BLUE 2														
SOURCE BY CATEGORY: 07(28%) 43(15%) 31(12%) 01(1%) 16(11%) 23(11%) 05(5%) 20(5%)														
INTAKE IN MILLIGRAMS														
0 - 5 MO.	62	8	12.9%	.11	.14	.051	.39	.35	.38	.014	-	.0006	.051	.38
6 - 23 MO.	275	233	84.7%	1.59	1.6	.31	1.1	1.7	3.0	.50	.23	1.1	1.5	3.0
2 - 5 YR.	903	891	98.7%	1.4	2.1	.79	3.0	4.4	9.4	1.4	.77	3.0	4.4	9.3
6 - 12 YR.	1,776	1,753	98.7%	1.6	2.7	.97	3.4	5.3	11	1.6	.95	3.4	5.3	11
13 - 17 YR.	1,133	1,117	98.6%	1.8	2.6	.93	3.5	5.3	9.5	1.6	.91	3.4	5.2	9.5
18 - 44 YR.	3,990	3,825	95.9%	1.0	1.8	.55	2.4	3.5	6.6	.97	.51	2.3	3.4	6.6
45+ YR.	4,198	4,023	95.8%	.87	1.2	.47	2.1	3.1	6.2	.83	.43	2.1	3.1	6.2
2+ YR.	12,000	11,609	96.7%	1.1	2.0	.61	2.7	3.8	7.8	1.1	.58	2.6	3.8	7.7

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

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

1511

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		BLUE 1 Aluminum Lake										
SOURCE BY CATEGORY:		16143*	20.19%	31(18%)	01(10%)	17(5%)	23(4%)	02(1%)	07(1%)					
INTAKE IN MILLIGRAMS														
0 - 5 YR.	62	8	12.9%	.097	.15	.0051	.42	.42	.42	.011	-	.0043	.0051	.42
6 - 23 YR.	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	.56	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	.36	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		RED 3 Aluminum Lake										
SOURCE BY CATEGORY:		01(46%)	16(26%)	20(11%)	31(8%)	17(5%)	22(2%)	05(1%)						
INTAKE IN MILLIGRAMS														
0 - 5 YR.	62	5	8.1%	.30	.39	.054	.90	.90	.90	.029	-	.054	.054	.90
6 - 23 YR.	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		RED 40 Aluminum Lake										
SOURCE BY CATEGORY:		01(61%)	16(21%)	23(10%)	17(5%)	31(2%)	22(1%)							
INTAKE IN MILLIGRAMS														
0 - 5 YR.	62	3	4.8%	.60	.84	.00	1.6	1.6	1.6	.031	-	-	-	1.6
6 - 23 YR.	275	212	77.1%	2.2	4.0	1.1	4.6	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	1,032	91.2%	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	8.5	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		RED 40 Calcium Lake										
SOURCE BY CATEGORY:		24(100%)												
INTAKE IN MILLIGRAMS														
0 - 5 YR.	62	-	-	-	-	-	-	-	-	-	-	-	-	-
6 - 23 YR.	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%	1.6	.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

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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 YELLOW 5 Aluminum Lake SOURCE BY CATEGORY: 16(29%) 31(22%) 23(12%) 31(12%) 39(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	.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 YELLOW 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	320	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 YELLOW 6 Aluminum Lake SOURCE BY CATEGORY: 16(31%) 17(24%) 23(13%) 23(12%) 31(9%) 31(5%) 27(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	.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	-.70	4.7	7.6	14	1.6	.61	4.5	7.3	13
45+ YR.	4,198	3,976	94.7%	1.4	2.4	-.85	3.5	5.0	12	1.4	.57	3.4	5.6	12
2+ YR.	12,000	11,472	95.6%	1.9	2.9	-.85	5.2	8.1	14	1.8	.78	5.0	7.9	13
NAS SUBSTANCE 5422 : FD&C BLUE NO. 2--ALUMINUM LAKE BLUE 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	.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	.79	.32	1.3	1.8	3.7	.32	.033	.98	1.4	3.0
13 - 17 YR.	1,133	595	52.5%	.54	.82	.30	1.4	2.0	2.9	.28	.014	.93	1.4	2.4
18 - 44 YR.	3,990	1,613	40.5%	.49	.79	-.19	1.3	1.0	3.2	.20	-	.57	1.1	2.5
45+ YR.	4,198	1,475	35.1%	.39	.63	-.15	1.37	1.0	2.9	.14	-	.41	.75	2.0
2+ YR.	12,000	7,335	61.1%	.48	.74	-.21	1.3	1.7	3.1	.21	-	.68	1.2	2.3

(-) VALUE = ZERO
 (.) VALUE > ZERO

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

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