

Table 2. Lead concentration of paint samples collected from Sri Lanka along with the complete description of samples

Sample No	Paint brand	Location of purchase	Volume of paint samples	Price of the can SLR	Type of paint	Colour of the	Pb Concentration (ppm)	Pb Concentration (%)
SRL 01	Nippopac	Colombo	1 Litre	645	Emulsion	Sun Flower	25.2	0.00252
SRL 02	Nippopac	Colombo	1 Litre	645	Emulsion	Jade Green	21.2	0.00212
SRL 03	Nippopac	Colombo	1Litre	645	Emulsion	Poppy red	14.2	0.00142
SRL 04	Nippopac	Colombo	1 Litre	645	Emulsion	Paradise Blue	33.3	0.00333
SRL 05	Nippopac	Colombo	200 ml	210	Enamel	Antique Brown	5137.4	0.51374
SRL 06	Nippopac	Colombo	200 ml	210	Enamel	White	3295.7	0.32957
SRL 07	Nippopac	Colombo	200 ml	210	Enamel	Sylven Green	55236.6	5.52366
SRL 08	Nippopac	Colombo	200 ml	210	Enamel	Sunrise	137324.6	13.73246
SRL 09	Nippopac	Colombo	200 ml	210	Enamel	Post office Red	7432	0.7432
SRL 10	Nippopac	Colombo	200ml	210	Enamel	Oxford Blue	21115.7	2.11157
SRL 11	Nippopac	Colombo	200 ml	185	Polyurethane Varnish		604.7	0.06047
SRL 12	Robbialac	Colombo	1 litre	645	Emulsion	Sunset	45743.1	4.57431
SRL 13	Robbialac	Colombo	1 Litre	645	Emulsion	Regatta Blue	49.5	0.00495
SRL 14	Robbialac	Colombo	1 Litre	825	Weather Coat	Black	6	0.0006
SRL 15	Robbialac	Colombo	1 Litre	645	Emulsion	Poppy red	5.8	0.00058
SRL 16	Robbialac	Colombo	500 ml	415	Enamel	Dark Green	20904.3	2.09043
SRL 17	Robbialac	Colombo	500 ml	360	Enamel	Golden Yellow	133463	13.3463
SRL 18	Robbialac	Colombo	500 ml	360	Enamel	Oxford Blue	4163.8	0.41638
SRL 19	Robbialac	Colombo	500 ml	415	Enamel	Black	8851.3	0.88513
SRL 20	Robbialac	Colombo	500 ml	360	Enamel	Jasmine Yellow	32254.5	3.22545
SRI 21	Robbialac	Colombo	500 ml	415	Enamel	Post office Red	3772.5	0.37725
SRL 22	Robbialac	Colombo	500 ml	440	Varnish	Mahogany	34.4	0.00344
SRL 23	Berlux	Colombo	1 Litre	545	Enamel	Sun Kissed Yellow	11.2	0.00112
SRL 24	Berlux	Colombo	500 ml	399	Enamel	King Coconut	45991.3	4.59913
SRL 25	ICI	Colombo	500 ml	440	Enamel	Saffron (Lo)	3.7	0.00037
SRL 26	ICI	Colombo	500 ml	440	Enamel	Poppy	4.1	0.00041
SRL 27	ICI	Colombo	500 ml	440	Enamel	Black	7.7	0.00077
SRL 28	ICI	Colombo	500 ml	440	Enamel	White	8.6	0.00086
SRL 29	ICI	Colombo	500 ml	440	Enamel	Regeta Blue	7.7	0.00077
SRL 30	ICI	Colombo	1 Litre	648	Emulsion	Royal Gold	10.2	0.00102
SRL 31	ICI	Colombo	1 Litre	648	Emulsion	Phantom Blue	21.2	0.00212
SRL 32	ICI	Colombo	1 Litre	648	Emulsion	White	14.3	0.00143
SRL 33	ICI	Colombo	500 ml	431	Varnish	Polyurethane Varnish	20.4	0.00204

Table 3. Statistical measures of the lead concentration in samples from Sri Lanka

	All samples	Enamel samples	Emulsions samples	Varnish samples
Average	15926.9	25209.8	4176.7	219.8
Standard Deviation	34316.6	42089.3	13786	20.4
Maximum	137324.6	1373246.6	45743.1	604.7
Minimum	3.7	3.7	5.8	333.4

Table 4. Distribution of samples having lead concentrations more than 90 ppm or 600 ppm

	No of samples	No of samples having lead concentration more than 90 ppm	No of samples having lead concentration more than 600 ppm
Enamel	19	13 (68.4 %)	13 (68.4 %)
Emulsions	11	1 (9.9 %)	1 (9.9 %)
Varnish	3	1 (33.3 %)	1 (33.3 %)
Total	33	15 (45.4 %)	15 (45.4 %)

Table 5. Description of paint samples received from Philippines

Sample No	Paint brand	Date of Purchase	Location of purchase	Manufacturer	Volume of paint samples	Price of the can in	Type of paint-Latexienamel	Colour of the paints
PLP 01	Master	11/24/08	Quezon City	Times Paint Corporation	80 ml	1.2	Enamel (Quick Drying)	Ultra Marine Blue
PLP 02	Boysen	11/24/08	Quezon City	Pacific Paint (Boysen) Philippines,	250 ml	0.9	Latex	Thalo Blue
PLP 03	Boysen	11/24/08	Quezon City	Pacific Paint (Boysen) Philippines,	250 ml	1.1	Enamel (Quick Drying)	White
PLP 04	Hudson	11/24/08	Quezon City	Century Chemical Corporation	250 ml	0.9	Latex	Venetian Red
PLP 05	Mana	11/24/08	Quezon City	Globesco, Inc.	250 ml	0.9	Enamel	White
PLP 06	Destiny	11/24/08	Quezon City	Paradise Chemical Corp.	60 ml	0.5	Latex (Acrylic)	Thalo Green
PLP 07	Challenger	11/24/08	Quezon City	Mayon Industries Corp.	60 ml	0.4	Enamel (Quick Drying)	Red
PLP 08	Master	11/25/08	Makati City	Times Paint Corporation	250 ml	1.1	Enamel (Quick Drying)	Mandarin Red
PLP 09	Popular	11/25/08	Makati City	H-Chem Industries, Inc.	1 L	2.4	Enamel (Quick Drying)	White
PLP 10	Popular	11/25/08	Makati City	H-Chem Industries, Inc.	1 L	1.6	Latex (Flat)	White
PLP 11	Hudson	11/25/08	Quezon City	Century Chemical Corporation	250 ml	1.2	Enamel (Quick Drying)	Silver Finish Aluminum
PLP 12	Olympic	11/25/08	Quezon City	Century Chemical Corporation	250 ml	0.8	Enamel (Quick Drying)	Jade Green
PLP 13	Welcoat	11/25/08	Quezon City	Irvine Coatings, Inc.	250 ml	1	Enamel (Quick Drying)	Black
PLP 14	Coat Saver	11/25/08	Quezon City	Charter Chemical and Coating Corp.	250 ml	1	Enamel (Quick Drying)	Emerald Green
PLP 15	Nation	11/25/08	Quezon City	Pacific Paint (Boysen) Philippines,	250 ml	0.7	Enamel (Quick Drying)	French Blue
PLP 16	Globe	11/26/08	Quezon City		60 ml	0.6	Enamel (Quick Drying)	Yellow
PLP 17	Welcoat	11/26/08	Quezon City	Asian Coatings Phils, Inc.	1 L	2.2	Latex (Flat)	White
PLP 18	Davies Megacryl	11/26/08	Quezon City	Charter Chemical and Coating Corp.	1 L	2.8	Latex (Gloss)	White
PLP 19	Davies Gloss-it	11/26/08	Quezon City	Charter Chemical and Coating Corp.	1 L	3.2	Enamel (Quick Drying)	Whisper Blue
PLP 20	Sphero	11/26/08	Quezon City	Globesco, Inc.	1 L	6	Enamel (Hi-Gloss Lacquer)	White
PLP 21	Dutch Boy Gloss Masta	11/26/08	Quezon City	United Paints, Inc.	250 ml	1.5	Enamel (Quick Drying)	Orange
PLP 22	Nation	11/26/08	Quezon City	Pacific Paint (Boysen) Philippines,	1 L	2	Latex (Flat)	White
PLP 23	Coat Saver	11/26/08	Quezon City	Charter Chemical and Coating Corp.	1 L	2.6	Latex (Gloss)	White
PLP 24	Boysen	11/27/08	Quezon City	Pacific Paint (Boysen) Philippines,	250 ml	0.9	Latex	Venetian Red
PLP 25	Ace Paint	11/27/08	Quezon City	Ace Hardware Corporation	1 L	9	Latex (Acrylic)	Ultra White

Table 6 Concentration of lead (in both ppm and % in) in paint samples received from Philippines

Sample No	Paint brand	Type of paint-Latexienamel	Colour of the paints	Pb Concentration (in ppm)	Pb Concentration (in %)
PLP 01	Master	Enamel (Quick Drying)	Ultra Marine Blue	12703.7	1.3
PLP 02	Boysen	Latex	Thalo Blue	10.8	0.00108
PLP 03	Boysen	Enamel (Quick Drying)	White	61	0.0061
PLP 04	Hudson	Latex	Venetian Red	ND	-
PLP 05	Mana	Enamel	White	40.5	0.00405
PLP 06	Destiny	Latex (Acrylic)	Thalo Green	40.2	0.00402
PLP 07	Challanger	Enamel (Quick Drying)	Red	141	0.0141
PLP 08	Master	Enamel (Quick Drying)	Mandarin Red	2363.5	0.2
PLP 09	Popular	Enamel (Quick Drying)	White	12.6	0.00126
PLP 10	Popular	Latex (Flat)	White	6.6	0.00066
PLP 11	Hudson	Enamel (Quick Drying)	Silver Finish Aluminum	17.9	0.00179
PLP 12	Olympic	Enamel (Quick Drying)	Jade Green	26897	2.7
PLP 13	Welcoat	Enamel (Quick Drying)	Black	14388	1.4
PLP 14	Coat Saver	Enamel (Quick Drying)	Emerald Green	34629.8	3.5
PLP 15	Nation	Enamel (Quick Drying)	French Blue	5569.1	0.6
PLP 16	Globe	Enamel (Quick Drying)	Yellow	136113.8	13.6
PLP 17	Welcoat	Latex (Flat)	White	11.8	0.00118
PLP 18	Davies Megacryl	Latex (Gloss)	White	ND	-
PLP 19	Davies Gloss-it	Enamel (Quick Drying)	Whisper Blue	3198.6	0.3
PLP 20	Sphero	Enamel (Hi-Gloss Lacquer)	White	3.4	0.00034
PLP 21	Dutch Boy Gloss Masta	Enamel (Quick Drying)	Orange	189163.5	18.9
PLP 22	Nation	Latex (Flat)	White	17.4	0.00174
PLP 23	Coat Saver	Latex (Gloss)	White	2.3	0.00023
PLP 24	Boysen	Latex	Venetian Red	15.9	0.00159
PLP 25	Ace Paint	Latex (Acrylic)	Ultra White	ND	-

Table 7 Statistical measures of lead concentration (ppm) in samples from Philippines

	All Samples	Enamel Samples	Latex Samples
Arithmetic Mean	17016.4	28353.6	10.7
Standard Deviation	45372.9	56435.1	12.2
Maximum	189163.5	189163.5	40.2
Minimum	0.6	3.4	0.6
Median	40.2	3198.6	8.7

Table 8. Distribution of samples having lead concentration more than 90 ppm or 600 ppm

	No of samples	No of samples having lead concentration more than 90	No of samples having lead concentration more than 600
Enamel Paint Samples	15	10 (66.7 %)	9 (60 %)
Latex Paint Samples	10	0	0
Total	25	10 (40 %)	9 (36 %)

Table 12. Description of paint samples received from Thailand

Sample No	Paint brand	Date of Purchase (mm/dd/yyyy)	Date of manufacturing	Model	Product Number	Volume of paint sample	Price of the can in Thai Bhat	Type of paint-Plastic/enamel	Colour of the paints
THL 01	TOA	1/31/2009	Base-09/2009	SuperShield	Color G199	100 ml	294	Plastic	Red
THL 02	TOA	1/31/2009	Base-12/2008	4 SEASONS	Color A4099	100 ml	241	Plastic	Blue
THL 03	TOA	1/31/2009	Base-12/2008	4 SEASONS	Color A2099	100 ml	217	Plastic	Yellow
THL 04	TOA	1/31/2009	Base-09/2008	4 SEASONS	Color A3006	100 ml	137	Plastic	Apple green
THL 05	Captain	1/31/2009		Shield Plus	Color C222	100 ml	292	Plastic	Red
THL 06	Captain	1/31/2009		Parashield	Color G3566	100 ml	249	Plastic	Blue
THL 07	Captain	1/31/2009		Longlife	Color L1300	100 ml	284	Plastic	Yellow
THL 08	Beger	1/31/2009	Base-11/08	Beger Shield (Semi Gloss)	lot no. 084067	100 ml	256	Plastic	Red
THL 09	Beger	1/31/2009	Base-11/08	Beger Shield (Semi Gloss)	lot no. 084067	100 ml	274	Plastic	Blue
THL 10	Beger	1/31/2009	Base-08/08	Beger Shield (Semi Gloss)	lot no. 084066	100 ml	234	Plastic	Green
THL 11	TOA	2/1/2009	Base-12/08	Super High Gloss Glipton	lot no. 302873 1208 /color 8093	100 ml	321	Enamel	Red
THL 12	TOA	2/1/2009	Base-12/08	Super High Gloss Glipton	lot no. 302873 1208 /color 7861	100 ml	270	Enamel	Yellow
THL 13	TOA	2/1/2009	Base-01/09	Super High Gloss Glipton	lot no. 303464 0109 /color 7349	100 ml	337	Enamel	Blue
THL 14	Beger	2/1/2009	Base-12/08	Beger Shield (Super Gloss)	lot no.087949 /color 115-6	100 ml	363	Enamel	Red
THL 15	Beger	2/1/2009	Base-01/09	Beger Shield (Super Gloss)	lot no.090095 /color 088-6	100 ml	338	Enamel	Yellow
THL 16	Beger	2/1/2009	Base-12/08	Beger Shield (Super Gloss)	lot no.087949 /color 031-6	100 ml	217	Enamel	Blue
THL 17	Jotun	2/1/2009	Base-12/08	Gardex	S0580-Y	100 ml	477	Enamel	Red
THL 18	Jotun	2/1/2009	Base-01/10/08	Gardex	S1080-R	100 ml	378	Enamel	Yellow
THL 19	Jotun	2/1/2009	Base-12/08	Gardex	S4055-B	100 ml	271	Enamel	Blue
THL 20	Nippon	2/1/2009	26/09	Shield Pro Alkyd Enamel	9810 lot no. 20090122	100 ml	140	Enamel	Red
THL 21	Nippon	2/1/2009	13/09	Shield Pro Alkyd Enamel	9804 lot no. 20090105	100 ml	140	Enamel	Yellow
THL 22	Nippon	2/1/2009	12/8/2009	Shield Pro Alkyd Enamel	9807 lot no. 20081204	100 ml	140	Enamel	Blue
THL 23	Rust-Oleum	2/1/2009	8/8/2009	Protective Enamel Hi Gloss	Safety Red 964	100 ml	270	Enamel	Red
THL 24	Rust-Oleum	2/1/2009	11/7/2009	Protective Enamel Hi Gloss	Safety Yellow 944	100 ml	235	Enamel	Yellow
THL 25	Rust-Oleum	2/1/2009	10/27/2008	Protective Enamel Hi Gloss	Deep Blue 122	100 ml	259	Enamel	Blue
THL 26	Delta	2/1/2009	-/12/2007	Gloss Enamel	Signal Red 202	100 ml	149	Enamel	Red
THL 27	Delta	2/1/2009	-/07/2008	Gloss Enamel	Royal Blue 403	100 ml	149	Enamel	Blue

Table 13. Lead concentration (in both ppm and %) in paint samples from Thailand

Sample No	Paint brand	Type of paint-Plastic/enamel	Colour of the paint	Pb Concentration (in ppm)	Pb concentration
THL 01	TOA	Plastic	Red	14.9	0.00149
THL 02	TOA	Plastic	Blue	3.1	0.00031
THL 03	TOA	Plastic	Yellow	3.3	0.00033
THL 04	TOA	Plastic	Apple green	2.2	0.00022
THL 05	Captain	Plastic	Red	ND	
THL 06	Captain	Plastic	Blue	ND	
THL 07	Captain	Plastic	Yellow	ND	
THL 08	Beger	Plastic	Red	ND	
THL 09	Beger	Plastic	Blue	ND	
THL 10	Beger	Plastic	Green	ND	
THL 11	TOA	Enamel	Red	ND	
THL 12	TOA	Enamel	Yellow	ND	
THL 13	TOA	Enamel	Blue	ND	
THL 14	Beger	Enamel	Red	34.8	0.00348
THL 15	Beger	Enamel	Yellow	ND	
THL 16	Beger	Enamel	Blue	8.5	0.00085
THL 17	Jotun	Enamel	Red	ND	
THL 18	Jotun	Enamel	Yellow	ND	
THL 19	Jotun	Enamel	Blue	ND	
THL 20	Nippon	Enamel	Red	77636.7	7.76367
THL 21	Nippon	Enamel	Yellow	505715.6	50.57156
THL 22	Nippon	Enamel	Blue	14287.4	1.42874
THL 23	Rust-Oleum	Enamel	Red	43041.7	4.30417
THL 24	Rust-Oleum	Enamel	Yellow	333694.8	33.36948
THL 25	Rust-Oleum	Enamel	Blue	24259.6	2.42596
THL 26	Delta	Enamel	Red	30643.2	3.06432
THL 27	Delta	Enamel	Blue	22849.8	2.28498

Table 14. Statistical measures of lead concentration (ppm) in samples from Thailand

	All Samples	Enamel Samples	Plastic Samples
Arithmetic Mean	38970.5	61892.7	2.7
Standard Deviation	113718.5	139667.5	4.4
Maximum Concentration	505715.6	505715.6	14.9
Minimum Concentration	0.6	0.6	0.6
Median	2.2	34.8	0.6

Table 15. Distribution of samples having lead concentration more than 90 ppm or 600 ppm

	No of Samples	No of Samples having lead concentration more than 90	No of Samples having lead concentration more than 600
Enamel Paint Samples	17	8 (47.1 %)	8 (47.1 %)
Latex Paint Samples	10	0	0
Total	27	8 (29.6 %)	8 (29.6 %)

Table 16. Lead concentrations (both in ppm and %) in paint samples received from Tanzania along with their description.

Sample No	Paint brand	Date of Purchase (dd/mm/year)	Volume of paint samples	Price of the can	Type of paint-Plastic/enameled	Colour of the paint	Pb Concentration (ppm)	Pb Concentration (%)
TNZ 01	Goldstar	13/11/08	4 l	6500 TZS	Water-based	Mist Pink	19.3	0.00193
TNZ 02	Sadolin	13/11/08	4 l	6500 TZS	Water-based	Summer Blue	17.1	0.00171
TNZ 03	Saddin	13/11/08	4 l	6500 TZS	Oil-based	Black	2218.9	0.22189
TNZ 04	Sadolin	13/11/08	4 l	6500 TZS	Water-based	Mist Pink	25.9	0.00259
TNZ 05	Coral	13/11/08	4 l	6500 TZS	Water-based	Summer Blue	18	0.0018
TNZ 06	Sadolin	13/11/08	4 l	6500 TZS	Oil-based	Mist Pink	2670.2	0.26702
TNZ 07	Coral	13/11/08	4 l	6500 TZS	Water-based	Candy Pink	12.7	0.00127
TNZ 08	Goldstar	13/11/08	4 l	6500 TZS	Water-based	Summer Blue	40.2	0.00402
TNZ 09	Goldstar	13/11/08	1 l	5000 TZS	Oil-based	Green	3650.9	0.36509
TNZ 10	Goldstar	13/11/08	1 l	5000 TZS	Oil-based	Akot Green	3612.2	0.36122
TNZ 11	Goldstar	13/11/08	1 l	5000 TZS	Oil-based	Yellow	2521.8	0.25218
TNZ 12	Sadolin	13/11/08	1 l	5000 TZS	Oil-based	Sunglow yellow	3914.2	0.39142
TNZ 13	Goldster	13/11/08	1/2 l	3000 TZS	Oil-based	Black	11359.6	1.13596
TNZ 14	Goldster	13/11/08	1/2 l	3000 TZS	Oil-based	White	3386.8	0.33868
TNZ 15	Coral	13/11/08	1/2 l	3000 TZS	Oil-based	Red	44068.5	4.40685
TNZ 16	sadolin	13/11/08	1 l	5000 TZS	Oil-based	Green	31580.9	3.15809
TNZ 17	Sadolin	13/11/08	1 l	5000 TZS	Oil-based	Blue	4073.1	0.40731
TNZ 18	Sadolin	13/11/08	1/2 l	3000 TZS	Oil-based	Grey	9840.9	0.98409
TNZ 19	Sadolin	13/11/08	1/2 l	3000 TZS	Oil-based	White	1541.2	0.15412
TNZ 20	Goldstar	13/11/08	1/2 l	3000 TZS	Oil-based	Blue	4188	0.4188
TNZ 21	Coral	13/11/08	1/2 l	3000 TZS	Oil-based	White	7601.7	0.76017
TNZ 22	Goldstar	13/11/08	1/2 l	3000 TZS	Oil-based	Red	193.2	0.01932
TNZ 23	Coral	13/11/08	1/2 l	3000 TZS	Oil-based	Black	5483.9	0.54839
TNZ 24	Coral	13/11/08	400 ml	3000 TZS	Oil-based	Blue	7721.8	0.77218
TNZ 25	Coral	13/11/08	400 ml	3000 TZS	Oil-based	Yellow	120862.1	12.08621
TNZ 26	Coral	13/11/08	1/2 l	3000 TZS	Oil-based	Green	20247.9	2.02479

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Table 17. Statistical measures of the lead concentrations (ppm) in paint samples from Tanzania

	All samples	Oil-based Samples	Water-based Samples
Arithmetic Mean	11187.3	14536.9	22.2
Standard Deviation	24645	27349.7	9.8
Maximum Concentration	120862.1	120862.1	40.2
Minimum Concentration	12.7	193.2	12.7
Median	3631.5	4130.5	18.6

Table 18. Distribution of samples having lead concentration more than 90ppm or 600 ppm

	No of Samples	No of Samples having more than 90 ppm	No of Samples having more than 600 ppm
Oil-based samples	20	20 (100%)	19 (95%)
Water-based samples	6	0	0
Total	26	20 (77%)	19 (73%)

Table 19. Description of paint samples from South Africa

Sample No	Paint brand	Date of Purchase	Volume of paint	Type of paint-Plasticienamel	Colour of the paints	Remarks
RSA 01	Prominent paints	24/11/08	1 l	Enamel	Cosmos 4055	
RSA 02	Prominent paints	24/11/08	1 l	Enamel	Chrome yellow	
RSA 03	Prominent paints	24/11/08	1 l	Enamel	Signal red	
RSA 04	Prominent paints	24/11/08	1 l	Enamel	Black	
RSA 05	Prominent paints	24/11/08	1 l	Enamel	White	
RSA 06	Prominent paints	24/11/08	1 l	Enamel	Green	
RSA 07	Dekade	25/11/08	500 ml	Super gloss enamel	Gold yellow	Label mentions "contains lead"
RSA 08	Dekade	25/11/08	500 ml	Super gloss enamel	Black	
RSA 09	Dekade	25/11/08	500 ml	Super gloss enamel	Deep blue	
RSA 10	Dekade	25/11/08	500 ml	Super gloss enamel	Windsor Green	Label mentions "contains lead"
RSA 11	Dekade	25/11/08	500 ml	Super gloss enamel	White	
RSA 12	Dekade	25/11/08	500 ml	Super gloss enamel	Orange	
RSA 13	Dekade	25/11/08	500 ml	Super gloss enamel	Signal red	Label mentions "contains lead"
RSA 14	Plascon	24/11/08	500 ml	Super universal enamel	Black GZ	Label mentions "lead free"
RSA 15	Plascon	24/11/08	500 ml	Super universal enamel	Super white NY	
RSA 16	Plascon	24/11/08	500 ml	Super universal enamel	Midnight Blue	Label mentions "lead free"
RSA 17	Plascon	24/11/08	500 ml	Super universal enamel	Brilliant Green	Label mentions "lead free"
RSA 18	Plascon	24/11/08	500 ml	Enamel	Calypso	Label mentions "lead free"
RSA 19	Plascon	24/11/08	500 ml	Enamel	Medium yellow	Label mentions "lead free"
RSA 20	Plascon	24/11/08	500 ml	Enamel	Signal red	Label mentions "lead free"
RSA 21	Dulux	25/11/08	1 l	Gloss enamel	Golden Yellow	Label mentions "lead free"
RSA 22	Dulux	25/11/08	1 l	Gloss enamel	Signal red	Label mentions "lead free"
RSA 23	Dulux	25/11/08	1 l	Gloss enamel	Brilliant white	
RSA 24	Dulux	25/11/08	1 l	Gloss enamel	Green	Label mentions "lead free"
RSA 25	Dulux	25/11/08	1 l	Gloss enamel	Kingfisher Blue	
RSA 26	Dulux	25/11/08		Gloss enamel	Black	Label mentions "lead free"
RSA 27	Dulux	25/11/08		Gloss enamel	Orange	
RSA 28	SPRAYON	24/11/08	250 ml	Spray paint	Tangerine	Label mentions "contains no lead"
RSA 29	SPRAYON	24/11/08	250 ml	Spray paint	Sunshine yellow	Label mentions "contains no lead"

Table 20. Lead concentrations (in ppm and in %) in paint samples from South Africa

Sample No	Paint brand	Type of paint-Plastic/enamel	Colour of the paint	Remarks	Pb Concentration (ppm)	Pb Concentration (%)
RSA 01	Prominent paints	Enamel	Cosmos 4055		11.2	0.00112
RSA 02	Prominent paints	Enamel	Chrome yellow		54778	5.4778
RSA 03	Prominent paints	Enamel	Signal red		51337.6	5.13376
RSA 04	Prominent paints	Enamel	Black		8.1	0.00081
RSA 05	Prominent paints	Enamel	White		8.4	0.00084
RSA 06	Prominent paints	Enamel	Green		10670.6	1.06706
RSA 07	Dekade	Super gloss enamel	Gold yellow	Label mentions "contains lead"	19849	1.9849
RSA 08	Dekade	Super gloss enamel	Black		2.7	0.00027
RSA 09	Dekade	Super gloss enamel	Deep blue		1986.4	0.19864
RSA 10	Dekade	Super gloss enamel	Windsor Green	Label mentions "contains lead"	45152.3	4.51523
RSA 11	Dekade	Super gloss enamel	White		3.4	0.00034
RSA 12	Dekade	Super gloss enamel	Orange		44853.7	4.48537
RSA 13	Dekade	Super gloss enamel	Signal red	Label mentions "contains lead"	48814	4.8814
RSA 14	Plascon	Super universal enamel	Black GZ	Label mentions "lead free"	11.7	0.00117
RSA 15	Plascon	Super universal enamel	Super white		506	0.0506
RSA 16	Plascon	Super universal enamel	Midnight Blue	Label mentions "lead free"	5.8	0.00058
RSA 17	Plascon	Super universal enamel	Brilliant Green	Label mentions "lead free"	12.1	0.00121
RSA 18	Plascon	Enamel	Calypso	Label mentions "lead free"	4	0.0004
RSA 19	Plascon	Enamel	Medium yellow	Label mentions "lead free"	6.1	0.00061
RSA 20	Plascon	Enamel	Signal red	Label mentions "lead free"	3.4	0.00034
RSA 21	Dulux	Gloss enamel	Golden Yellow	Label mentions "lead free"	6.6	0.00066
RSA 22	Dulux	Gloss enamel	Signal red	Label mentions "lead free"	8.5	0.00085
RSA 23	Dulux	Gloss enamel	Brilliant white		2.7	0.00027
RSA 24	Dulux	Gloss enamel	Green	Label mentions "lead free"	10	0.001
RSA 25	Dulux	Gloss enamel	Kingfisher Blue		6.7	0.00067
RSA 26	Dulux	Gloss enamel	Black	Label mentions "lead free"	10.8	0.00108
RSA 27	Dulux	Gloss enamel	Orange		4.4	0.00044
RSA 28	SPRAYON	Spray paint	Tangerine	Label mentions "contains no lead"	102624.8	10.26248
RSA 29	SPRAYON	Spray paint	Sunshine yellow	Label mentions "contains no lead"	195288.8	19.52888

Table 21. Lead concentration in paint samples from Nigeria along with its description

Sample No	Paint brand	Date of Purchase	Date of manufacturing	Type of paint-Plastic/enamel	Colour of the paints	Pb Concentration (in ppm)	Pb concentration
NIG 01	Chemstar	22 Nov. 2008	6/11/2008	Enamel	Rich brown	49545.2	4.95452
NIG 02	Chemstar	22 Nov. 2008	8/10/2008	Enamel	Dark Grey	6247.2	0.62472
NIG 03	Chemstar	22 Nov. 2008	1/9/2008	Enamel	Jasmine Yellow	53641	5.3641
NIG 04	Chemstar	22 Nov. 2008	29/9/08	Enamel	National Green	129837	12.9837
NIG 05	Chemstar	24 Nov. 2008	2/10/2008	Plastic	Rich Brown	4421.8	0.44218
NIG 06	Portland	22 Nov. 2008	Nil	Enamel	White	5832.2	0.58322
NIG 07	Portland	22 Nov. 2008	Nil	Enamel	Black	7892	0.7892
NIG 08	Portland	22 Nov. 2008	Nil	Enamel	Bitter Chocolate	6075.7	0.60757
NIG 09	Portland	22 Nov. 2008	Nil	Enamel	Dark Grey	23865.7	2.38657
NIG 10	Portland	24 Nov. 2008	Nil	Plastic	Barley Cream	4625.4	0.46254
NIG 11	President	22 Nov. 2008	Nil	Enamel	Cream	14581.4	1.45814
NIG 12	President	22 Nov. 2008	Nil	Enamel	Rich brown	12695.3	1.26953
NIG 13	President	22 Nov. 2008	Nil	Enamel	Leaf Green	30301.2	3.03012
NIG 14	President	22 Nov. 2008	Nil	Enamel	Golden Yellow	66666.5	6.66665
NIG 15	President	24 Nov. 2008	Nil	Plastic	Cream	4560	0.456
NIG 16	CAPL	22 Nov. 2008	Nil	Enamel	Fiesta Blue	4635.7	0.46357
NIG 17	CAPL	22 Nov. 2008	Nil	Enamel	Post Office RED	54160.1	5.41601
NIG 18	CAPL	22 Nov. 2008	Nil	Enamel	Black	6337.4	0.63374
NIG 19	CAPL	24 Nov. 2008	Nil	Plastic	Mobil Clove Grey	2898.4	0.28984
NIG 20	CAPL	24 Nov. 2008	Nil	Plastic	Celtel Red	4874.2	0.48742
NIG 21	BERGER	22 Nov. 2008	Nil	Enamel	Emrade Green	5674.3	0.56743
NIG 22	BERGER	22 Nov. 2008	Nil	Enamel	Golden Yellow	62799.7	6.27997
NIG 23	BERGER	22 Nov. 2008	Nil	Enamel	Post Office RED	66224.1	6.62241
NIG 24	BERGER	22 Nov. 2008	Nil	Enamel	Brilliant Blue	6003.6	0.60036
NIG 25	BERGER	24 Nov. 2008	Nil	Plastic	Brilliant White	3227.8	0.32278
NIG 26	MEYER	22 Nov. 2008	Nil	Enamel	Orange	50490	5.049
NIG 27	MEYER	22 Nov. 2008	Nil	Enamel	Red	126340	12.634
NIG 28	MEYER	22 Nov. 2008	Nil	Enamel	Black	46820.3	4.68203
NIG 29	MEYER	22 Nov. 2008	Nil	Enamel	Pilot Blue	14093	1.4093
NIG 30	MEYER	24 Nov. 2008	Nil	Plastic	Lagoon Blue	34597.7	3.45977

Table 22. Statistical Measures of lead concentrations in paint samples from Nigeria

	All Samples	Enamel Samples	Plastic Samples
Arithmetic Mean	30332.1	36989.5	8457.9
Standard deviation	34572.5	36614.2	11551.1
Maximum concentration	129837	129837	34597.7
minimum concentration	2898.4	4635.7	2898.4
Median	13394.2	23865.7	4560

Table 23. Distribution of samples having lead concentrations more than 90 ppm or 600 ppm

	No of Samples	No of samples having concentration more than 90	No of samples having concentration more than 600 ppm
Enamel Paint Samples	23	23 (100%)	23 (100%)
Plastic paint Samples	7	7 (100%)	7 (100%)
All Paint Samples	30	30 (100%)	30 (100%)

Table 26. Lead concentrations (in ppm and %) in samples from Senegal with their respective description

Sample No	Paint brand	Type of paint-Plasticlenamel	Colour of the paints	Pb Concentration (in ppm)	Pb concentration (in %)
SEG 01	SEN-PAIC Magic	Enamel	Red	3721	0.3721
SEG 02	SEN-PAIC Magic	Enamel	White	2646.1	0.26461
SEG 03	SEN-PAIC Magic	Enamel	Green	2972.5	0.29725
SEG 04	Novemail- Flag	Enamel	Yellow	9945.8	0.99458
SEG 05	Novemail- Flag	Enamel	White	1597.1	0.15971
SEG 06	Novemail- Flag	Enamel	Black	2655.9	0.26559
SEG 07	Novemail- Flag	Enamel	Green	4637.9	0.46379
SEG 08	Novemail- Flag	Enamel	Red	2771.4	0.27714
SEG 09	Novemail- Flag	Enamel	Blue	571.6	0.05716
SEG 10	Novemail- Flag	Enamel	Yellow	10282.4	1.02824
SEG 11	SEN-PAIC Magic	Enamel	Blue	1632.2	0.16322
SEG 12	Peinture Aluminium/ Rayon Atlas	Enamel	Gold color	15.5	0.00155
SEG 13	Peinture Aluminium/ Rayon Atlas	Enamel	Grey	49.8	0.00498
SEG 14	Supreme Opaco	Plastic	Golden Yellow	1	0.0001
SEG 15	Supreme Opaco	Plastic	White	1	0.0001
SEG 16	Seigneurie Email	Enamel	White	2134.7	0.21347
SEG 17	Seigneurie ISA	Enamel	Green	29716.7	2.97167
SEG 18	Seigneurie ISA	Enamel	Yellow	5965.8	0.59658
SEG 19	Seigneurie Email	Enamel	Yellow	24164.4	2.41644
SEG 20	Vulkeol	Enamel	Black	472.4	0.04724
SEG 21	Seigneurie Email	Plastic	White	0.6	0.00006
SEG 22	National	Plastic	White	5.3	0.00053
SEG 23	SENAC	Plastic	White	3.1	0.00031
SEG 24	Astral	Plastic	White	2.7	0.00027
SEG 25	SAPEC	Plastic	White	0.6	0.00006
SEG 26	SEN-PAIC	Plastic	White	6.6	0.00066
SEG 27	Smalto Lucido	Enamel	Dark Grey	0.6	0.00006
SEG 28	Safrimex/ Email Synthetique	Enamel	Brown	3098	0.3098
SEG 29	Astral	Enamel	Green	14142.8	1.41428
SEG 30	Smalto Extra	Plastic	White	28.7	0.00287

Table 27. Statistical measurements of lead concentrations of paint samples from Senegal

	All samples	Enamel Samples	Plastic Samples
Arithmetic Mean	4108.14	5866.4	5.5
standard deviation	7160.2	7969.9	8.9
Maximum concentration	29716.7	29716.7	28.7
Minimum concentration	0.6	0.6	0.6
Median	1614.6	2771.4	2.7

Table 28. Distribution of samples having lead concentrations more than 90 ppm or 600 ppm

	No of Samples	Number of samples having lead concentration more than 90	Number of samples having lead concentration more than 600
Enamel Samples	21	18 (85.7 %)	16 (76.2 %)
Plastic Samples	9	0	0
All Samples	30	18 (60 %)	16 (53.3 %)

Table 29. Description of paint samples from Belarus

Sample No	Paint brand	Date of Purchase	Location of purchase	Date of manufacturing	Volume of paint sample	Price of the can (in Belarussian roubles)	Type of paint-Plastic/enamel	Colour of the paints
BLR 01	MAV- akav	22.12.08	OMA shop	14.11.2008	50 ml	5820	Plastic	white
BLR 02	Condor	22.12.08	OMA shop	09.07.2008	50 ml	10050	Plastic	white
BLR 03	Gamma	19.12.08	Art-Gallery	2.2008	40 cm ³	2930	Plastic	white
BLR 04	MAV- deko	22.12.08	OMA shop	8.2008	50 ml	9580	Enamel	yellow
BLR 05	MAV- deko	22.12.08	OMA shop	7.2008	50 ml	9240	Enamel	green
BLR 06	MAV- deko	22.12.08	OMA shop	6.2008	50 ml	9270	Enamel	blue
BLR 07	Gamma	19.12.08	Art-Gallery	08.06.2008	50 ml	7810	Enamel	red
BLR 08	MAV- deko	22.12.08	OMA shop	6.2008	50 ml	8180	Enamel	red
BLR 09	Deep prime	22.12.08	OMA shop	05.12.2008	50 ml	9270	Enamel	orange
BLR 10	Deep prime	22.12.08	OMA shop	21.04.2008	50 ml	9470	Enamel	blue
BLR 11	Deep prime	22.12.08	OMA shop	18.04.2008	50 ml	6680	Enamel	red
BLR 12	Sniezka	22.12.08	market	18.11.2008	50 ml	10000	Plastic	white
BLR 13	Cvetogamma	23.12.08	market	01.10.2008	50 ml	8000	Enamel	yellow
BLR 14	Gamma	19.12.08	Art-Gallery	15.12.2007	50 ml	7810	Enamel	blue
BLR 15	Cvetogamma	23.12.08	market	13.07.2008	50 ml	10000	Enamel	blue
BLR 16	Cvetogamma	23.12.08	market	24.06.2008	50 ml	10000	Enamel	red
BLR 17	Gamma	19.12.08	Art-Gallery	11.08.2008	50 ml	7810	Enamel	yellow
BLR 18	LIDA	23.12.08	market	7.2008	50 ml	8500	Enamel	blue
BLR 19	Alpina (renova)	24.12.08	Moazri Trejd shop	05.11.2008	50 ml	15090	Plastic	white
BLR 20	LIDA	24.12.08	market	9.2008	50 ml	14000	Enamel	orange
BLR 21	LIDA	24.12.08	market	6.2008	50 ml	19000	Enamel	red
BLR 22	AAT "Minski Lakafarbovy zavod"	24.12.08	Moazri Trejd shop	08.10.2008	50 ml	10390	Enamel	yellow
BLR 23	AAT "Minski Lakafarbovy zavod"	24.12.08	Moazri Trejd shop	16.10.2008	50 ml	9260	Enamel	dark red
BLR 24	AAT "Minski Lakafarbovy zavod"	24.12.08	Moazri Trejd shop	25.11.2008	50 ml	8500	Enamel	blue
BLR 25	DISKOM innenweiss	24.12.08	Moazri Trejd shop	26.01.2008	50 ml	14540	Plastic	white
BLR 26	Zaria, Mogilev	24.12.08	Moazri Trejd shop	03.07.2007	50 ml	9420	Enamel	orange
BLR 27	Zaria, Mogilev	24.12.08	Moazri Trejd shop	07.08.2007	50 ml	9830	Enamel	red
BLR 28	Zaria, Mogilev	24.12.08	Moazri Trejd shop	07.07.2006	50 ml	7800	Enamel	blue
BLR 29	Legenda 205	24.12.08	Moazri Trejd shop	03.03.2008	50 ml	5880	Plastic	white
BLR 30	Belosnejka	24.12.08	Moazri Trejd shop	2.2008	50 ml	7580	Plastic	white

Table 30. Lead concentrations (in ppm and %) in paint samples from Belarus

Sample No	Paint brand	Type of paint-Plastic/enamel	Colour of the paint	Pb Concentration (ppm)	Pb Concentration (%)
BLR 01	MAV- akav	Plastic	White	1	0.0001
BLR 02	Condor	Plastic	White	2.4	0.00024
BLR 03	Gamma	Plastic	White	18.3	0.00183
BLR 04	MAV- deko	Enamel	Yellow	59387.2	5.93872
BLR 05	MAV- deko	Enamel	Green	1650.5	0.16505
BLR 06	MAV- deko	Enamel	Blue	1992.1	0.19921
BLR 07	Gamma	Enamel	Red	19.7	0.00197
BLR 08	MAV- deko	Enamel	Red	2470.1	0.24701
BLR 09	Deep prime	Enamel	Orange	2637.2	0.26372
BLR 10	Deep prime	Enamel	Blue	160.9	0.01609
BLR 11	Deep prime	Enamel	Red	3707.9	0.37079
BLR 12	Sniezka	Plastic	White	0.6	0.6
BLR 13	Cvetogamma	Enamel	Yellow	28467.6	2.84676
BLR 14	Gamma	Enamel	Blue	1974.3	0.19743
BLR 15	Cvetogamma	Enamel	Blue	1705	0.1705
BLR 16	Cvetogamma	Enamel	Red	57.2	0.00572
BLR 17	Gamma	Enamel	Yellow	6	0.0006
BLR 18	LIDA	Enamel	Blue	385.8	0.03858
BLR 19	Alpina (renova)	Plastic	White	418.1	0.04181
BLR 20	LIDA	Enamel	Orange	4018.6	0.40186
BLR 21	LIDA	Enamel	Red	679.5	0.06795
BLR 22	AAT "Minski Lakafarbovy zavod"	Enamel	Yellow	6984.4	0.69844
BLR 23	AAT "Minski Lakafarbovy zavod"	Enamel	Dark red	0.6	0.6
BLR 24	AAT "Minski Lakafarbovy zavod"	Enamel	Blue	3797.5	0.37975
BLR 25	DISKOM innenweiss	Plastic	White	23.7	0.00237
BLR 26	Zaria, Mogilev	Enamel	Orange	462.4	0.04624
BLR 27	Zaria, Mogilev	Enamel	Red	889	0.0889
BLR 28	Zaria, Mogilev	Enamel	Blue	812.3	0.08123
BLR 29	Legenda 205	Plastic	White	0.6	0.6
BLR 30	Belosnejka	Plastic	White	0.6	0.6

Table 31. Statistical measurements of lead concentrations in paint samples from Belarus

	All Samples	Enamel Samples	Plastic Samples
Arithmetic Mean	4091	5557.5	58.2
Standard Deviation	11681.5	13415.9	145.7
Maximum concentration	59387.2	59387.2	418.1
Minimum concentration	0.6	0.6	0.6
Median	570.9	1677.7	1.7

Table 32. Distribution of paint samples having more than 90/600 ppm of lead concentrations

	No of Samples	No of samples having lead concentrations more than 90	No of samples having lead concentrations more than 600
Enamel Samples	22	18 (81.8 %)	15 (68.2 %)
Plastic Samples	8	0	0
All Samples	30	18(60 %)	15 (50 %)

Table 29. Description of paint samples from Belarus

Sample No	Paint brand	Date of Purchase	Location of purchase	Date of manufacturing	Volume of paint sample	Price of the can (in Belarussian roubles)	Type of paint-Plastic/enamel	Colour of the paints
BLR 01	MAV- akav	22.12.08	OMA shop	14.11.2008	50 ml	5820	Plastic	white
BLR 02	Condor	22.12.08	OMA shop	09.07.2008	50 ml	10050	Plastic	white
BLR 03	Gamma	19.12.08	Art-Gallery	2.2008	40 cm3	2930	Plastic	white
BLR 04	MAV- deko	22.12.08	OMA shop	8.2008	50 ml	9580	Enamel	yellow
BLR 05	MAV- deko	22.12.08	OMA shop	7.2008	50 ml	9240	Enamel	green
BLR 06	MAV- deko	22.12.08	OMA shop	6.2008	50 ml	9270	Enamel	blue
BLR 07	Gamma	19.12.08	Art-Gallery	08.06.2008	50 ml	7810	Enamel	red
BLR 08	MAV- deko	22.12.08	OMA shop	6.2008	50 ml	8180	Enamel	red
BLR 09	Deep prime	22.12.08	OMA shop	05.12.2008	50 ml	9270	Enamel	orange
BLR 10	Deep prime	22.12.08	OMA shop	21.04.2008	50 ml	9470	Enamel	blue
BLR 11	Deep prime	22.12.08	OMA shop	18.04.2008	50 ml	6680	Enamel	red
BLR 12	Sniezka	22.12.08	market	18.11.2008	50 ml	10000	Plastic	white
BLR 13	Cvetogamma	23.12.08	market	01.10.2008	50 ml	8000	Enamel	yellow
BLR 14	Gamma	19.12.08	Art-Gallery	15.12.2007	50 ml	7810	Enamel	blue
BLR 15	Cvetogamma	23.12.08	market	13.07.2008	50 ml	10000	Enamel	blue
BLR 16	Cvetogamma	23.12.08	market	24.06.2008	50 ml	10000	Enamel	red
BLR 17	Gamma	19.12.08	Art-Gallery	11.08.2008	50 ml	7810	Enamel	yellow
BLR 18	LIDA	23.12.08	market	7.2008	50 ml	8500	Enamel	blue
BLR 19	Alpina (renova)	24.12.08	Moazri Trejd shop	05.11.2008	50 ml	15090	Plastic	white
BLR 20	LIDA	24.12.08	market	9.2008	50 ml	14000	Enamel	orange
BLR 21	LIDA	24.12.08	market	6.2008	50 ml	19000	Enamel	red
BLR 22	AAT "Minski Lakafarbovy zavod"	24.12.08	Moazri Trejd shop	08.10.2008	50 ml	10390	Enamel	yellow
BLR 23	AAT "Minski Lakafarbovy zavod"	24.12.08	Moazri Trejd shop	16.10.2008	50 ml	9260	Enamel	dark red
BLR 24	AAT "Minski Lakafarbovy zavod"	24.12.08	Moazri Trejd shop	25.11.2008	50 ml	8500	Enamel	blue
BLR 25	DISKOM innenweiss	24.12.08	Moazri Trejd shop	26.01.2008	50 ml	14540	Plastic	white
BLR 26	Zaria, Mogilev	24.12.08	Moazri Trejd shop	03.07.2007	50 ml	9420	Enamel	orange
BLR 27	Zaria, Mogilev	24.12.08	Moazri Trejd shop	07.08.2007	50 ml	9830	Enamel	red
BLR 28	Zaria, Mogilev	24.12.08	Moazri Trejd shop	07.07.2006	50 ml	7800	Enamel	blue
BLR 29	Legenda 205	24.12.08	Moazri Trejd shop	03.03.2008	50 ml	5880	Plastic	white
BLR 30	Belosnejka	24.12.08	Moazri Trejd shop	2.2008	50 ml	7580	Plastic	white

Table 30. Lead concentrations (in ppm and %) in paint samples from Belarus

Sample No	Paint brand	Type of paint-Plastic/enamel	Colour of the paint	Pb Concentration (ppm)	Pb Concentration (%)
BLR 01	MAV- akav	Plastic	White	1	0.0001
BLR 02	Condor	Plastic	White	2.4	0.00024
BLR 03	Gamma	Plastic	White	18.3	0.00183
BLR 04	MAV- deko	Enamel	Yellow	59387.2	5.93872
BLR 05	MAV- deko	Enamel	Green	1650.5	0.16505
BLR 06	MAV- deko	Enamel	Blue	1992.1	0.19921
BLR 07	Gamma	Enamel	Red	19.7	0.00197
BLR 08	MAV- deko	Enamel	Red	2470.1	0.24701
BLR 09	Deep prime	Enamel	Orange	2637.2	0.26372
BLR 10	Deep prime	Enamel	Blue	160.9	0.01609
BLR 11	Deep prime	Enamel	Red	3707.9	0.37079
BLR 12	Sniezka	Plastic	White	0.6	0.6
BLR 13	Cvetogamma	Enamel	Yellow	28467.6	2.84676
BLR 14	Gamma	Enamel	Blue	1974.3	0.19743
BLR 15	Cvetogamma	Enamel	Blue	1705	0.1705
BLR 16	Cvetogamma	Enamel	Red	57.2	0.00572
BLR 17	Gamma	Enamel	Yellow	6	0.0006
BLR 18	LIDA	Enamel	Blue	385.8	0.03858
BLR 19	Alpina (renova)	Plastic	White	418.1	0.04181
BLR 20	LIDA	Enamel	Orange	4018.6	0.40186
BLR 21	LIDA	Enamel	Red	679.5	0.06795
BLR 22	AAT "Minski Lakafarbovy zavod"	Enamel	Yellow	6984.4	0.69844
BLR 23	AAT "Minski Lakafarbovy zavod"	Enamel	Dark red	0.6	0.6
BLR 24	AAT "Minski Lakafarbovy zavod"	Enamel	Blue	3797.5	0.37975
BLR 25	DISKOM innenweiss	Plastic	White	23.7	0.00237
BLR 26	Zaria, Mogilev	Enamel	Orange	462.4	0.04624
BLR 27	Zaria, Mogilev	Enamel	Red	889	0.0889
BLR 28	Zaria, Mogilev	Enamel	Blue	812.3	0.08123
BLR 29	Legenda 205	Plastic	White	0.6	0.6
BLR 30	Belosnejka	Plastic	White	0.6	0.6

Table 31. Statistical measurements of lead concentrations in paint samples from Belarus

	All Samples	Enamel Samples	Plastic Samples
Arithmetic Mean	4091	5557.5	58.2
Standard Deviation	11681.5	13415.9	145.7
Maximum concentration	59387.2	59387.2	418.1
Minimum concentration	0.6	0.6	0.6
Median	570.9	1677.7	1.7

Table 32. Distribution of paint samples having more than 90/600 ppm of lead concentrations

	No of Samples	No of samples having lead concentrations more than 90	No of samples having lead concentrations more than 600
Enamel Samples	22	18 (81.8 %)	15 (68.2 %)
Plastic Samples	8	0	0
All Samples	30	18(60 %)	15 (50 %)

Table 38. Lead concentrations in paint samples with respective descriptions of samples.

Sample No	Paint brand	Type of paint-Plastic/enamel	Colour of the paints	Pb Concentration (in ppm)	Pb concentration (in %)
MXC-01	Comex	Plastic	Yellow	16	0.00159847
MXC-02	Comex	Plastic	Red	9.7	0.00097465
MXC-03	Comex	Plastic	Green	0.6	0.00006
MXC-04	Pintusayer ICI	Plastic	Orange	4.4	0.00043986
MXC-05	Pintusayer ICI	Plastic	Blue	6.2	0.00061987
MXC-06	Optimus	Plastic	Orange	4.5	0.00044707
MXC-07	Optimus	Plastic	White	1.9	0.0001869
MXC-08	Sherwin W	Plastic	Yellow	3.6	0.00036136
MXC-09	Sherwin W	Plastic	Yellow	7.3	0.0007256
MXC-10	Berel	Plastic	Orange	2.3	0.00023285
MXC-11	Comex	Enamel	Orange	163811.8	16.38117951
MXC-12	Comex	Enamel	Blue	27170.8	2.71708174
MXC-13	Comex	Enamel	Black	50520.7	5.05207337
MXC-14	Pintusayer ICI	Enamel	Yellow	70531	7.05309856
MXC-15	Pintusayer ICI	Enamel	Red	73967.7	7.3967752
MXC-16	Pintusayer ICI	Enamel	Blue	36223.7	3.62237357
MXC-17	Pintusayer ICI	Enamel	Green	30252.1	3.0252092
MXC-18	Optimus	Enamel	Yellow	39158.6	3.91585964
MXC-19	Optimus	Enamel	Red	67664.1	6.76640468
MXC-20	Optimus	Enamel	Blue	31950.2	3.19501681
MXC-21	Optimus	Enamel	Black	28591.7	2.85916715
MXC-22	Sherwin	Enamel	Yellow	30156.4	3.01563588
MXC-23	Berel	Enamel	Yellow	56537.1	5.65370603
MXC-24	Soriana	Enamel	Red	48282.4	4.8282454
MXC-25	Soriana	Enamel	Blue	25650.0	2.56500207
MXC-26	Soriana	Enamel	Green	71063.9	7.10639046
MXC-27	Soriana	Enamel	Yellow	42944.8	4.29448301
MXC-28	Contimex	Enamel	Blue	22758.5	2.27584848
MXC-29	Contimex	Enamel	Green	50609.4	5.06093592
MXC-30	Contimex	Enamel	Yellow	69358.0	6.93580234

Table 39. Statistical measurements of lead concentrations (ppm) in paint samples from Mexico

	All Samples	Enamel samples	Plastic Samples
Arithmetic Mean	34575.3	51860.1	5.6
Standard Deviation	35605	31487.5	4.5
Maximum Concentration	163811.8	163811.8	15.9
Minimum Concentration	0.6	22758.5	0.6
Median	30204.2	45613.6	4.4

Table 40. Distribution of samples having lead concentrations more than 901600 ppm

	Number of Samples	Number of samples having lead concentration more than 90	Number of samples having lead concentration more than 600
Enamel Paint Samples	20	20 (100%)	20 (100%)
Plastic Paint Samples	10	0	0
All paint Samples	30	20 (67 %)	20 (67%)

Table 4I. Description of paint samples from Brazil

Sample No.	Paint brand	Date of purchase	Location of purchase	Expiration Date	Volume of the paint samples	Price of the	Type of paint-	Colour of the paints
						In R\$ (Reais)	plastic1 enamel	
BRZ 01	DACAR	31/12/08	Rei das Tintas/ Curitiba City	Nov-10	80ml	17,00	Plastic	Green
BRZ 02	DACAR	31/12/08	Darka / Curitiba City	Oct-10	80ml	10,00	Plastic	Blue
BRZ 03	Coral/ Coralamine	30/12/08	Diprotec / Curitiba City	Sep-10	80ml	15,00	Plastic	Yellow
BRZ 04	Coral / Coralamine	30/12/08	Diprotec / Curitiba City	Sep-10	80ml	15,00	Plastic	Green
BRZ 05	Suvinil	30/12/08	Tintas Guarize/Curitiba City	Sep-11	80ml	13,12	Plastic	Blue
BRZ 06	Suvinil	30/12/08	Tintas Guarize / Curitiba City	Jul-11	80ml	15,64	Plastic	Orange
BRZ 07	Suvinil	30/12/08	Tintas Guarize / Curitiba	Sep-11	80ml	17,33	Plastic	Red
BRZ 08	Sherwin Williams Novacor	30/12/08	Buchholtz / Curitiba City	Jan-10	225ml	5,00	Enamel	Yellow
BRZ 09	Sherwin Williams Novacor	30/12/08	Buchholtz / Curitiba City	Apr-11	225ml	5,00	Enamel	Red
BRZ 10	Sherwin Williams Novacor	30/12/08	Buchholtz/ Curitiba City	Feb-11	225ml	5,00	Enamel	Blue
BRZ 11	Sherwin Williams Novacor	30/12/08	Buchholtz / Curitiba City	Jun-11	225ml	5,00	Enamel	Black
BRZ 12	Renner	18/12/08	Condor / Curitiba City	Jul-10	225ml	6,92	Enamel	Red
BRZ 13	Renner	18/12/08	Condor / Curitiba City	Nov-09	225ml	6,92	Enamel	Blue
BRZ 14	Renner	30/12/08	Condor / Curitiba City	May-10	225ml	5,00	Enamel	Yellow
BRZ 15	Dacar	30/12/08	Tintas Guarize/ Curitiba City	Oct-11	225ml	4,30	Enamel	White
BRZ 16	Dacar	30/12/08	Tintas Guarize / Curitiba City	Feb-12	225ml	4,30	Enamel	Green
BRZ 17	Dacar	30/12/08	Tintas Guarize / Curitiba City	Aug-11	225ml	4,30	Enamel	Black
BRZ 18	Dacar	30/12/08	Tintas Guarize / Curitiba City	Nov-11	225ml	4,30	Enamel	Red
BRZ 19	Dacar	23/12/08	Mercado das Tintas / Curitiba	Feb-11	225ml	4,00	Enamel	Blue
BRZ 20	Dacar	23/12/08	Mercado das Tintas / Curitiba	Nov-10	225ml	4,00	Enamel	Orange
BRZ 21	Suvinil	30/12/08	Tintas Guarize / Curitiba	May-09	225ml	5,60	Enamel	Red
BRZ 22	Suvinil	30/12/08	Tintas Guarize / Curitiba	Nov-10	225ml	5,60	Enamel	Yellow
BRZ 23	Suvinil	30/12/08	Tintas Guarize / Curitiba	Aug-11	112,5ml	3,10	Enamel	White
BRZ 24	Suvinil	2/1/2009	Casa Haisi / Curitiba	Jan-12	225ml	8,25	Enamel	Black
BRZ 25	Coral Coralit	30/12/08	Diprotec / Curitiba	Nov-09	225ml	4,90	Enamel	Yellow
BRZ 26	Coral Coralit	30/12/08	Diprotec / Curitiba	Sep-10	225ml	4,90	Enamel	Green
BRZ 27	Coral Coralit	30/12/08	Diprotec / Curitiba	Apr-12	225ml	4,90	Enamel	Black
BRZ 28	Coral Coralit	30/12/08	Diprotec / Curitiba	Jul-11	112,5ml	3,90	Enamel	Red
BRZ 29	Renner	2/1/2009	Tintas Darka / Curitiba	Jul-10	225ml	5,50	Enamel	Green
BRZ 30	3RM	30/12/08	Cia. Brasileira de Distribuicao	Nov-10	225ml	5,99	Enamel	Black
BRZ 31	3RM	30/12/08	Cia. Brasileira de Distribuicao	Sep-10	225ml	5,99	Enamel	White

Table 42. Lead concentrations (ppm and %) in paint samples from Brazil

Sample No.	Paint brand	Type of paint-	Color of the paints	Pb Concentration (in ppm)	Pb Concentration (in %)
		plastic! enamel			
BRZ 01	DACAR	Plastic	Green	0.6	0
BRZ 02	DACAR	Plastic	Blue	6.8	0.00068
BRZ 03	Coral/	Plastic	Yellow	12.4	0.00124
	Coralamine				
BRZ 04	Coral / Coralamine	Plastic	Green	13.6	0.00136
BRZ 05	Suvinil	Plastic	Blue	13.4	0.00134
BRZ 06	Suvinil	Plastic	Orange	14.4	0.00144
BRZ 07	Suvinil	Plastic	Red	7.5	0.00075
BRZ 08	Sherwin Williams Novacor	Enamel	Yellow	53	0.0053
BRZ 09	Sherwin Williams Novacor	Enamel	Red	16.4	0.00164
BRZ 10	Sherwin Williams Novacor	Enamel	Blue	22	0.0022
BRZ 11	Sherwin Williams Novacor	Enamel	Black	9.5	0.00095
BRZ 12	Renner	Enamel	Red	5633.2	0.56332
BRZ 13	Renner	Enamel	Blue	12.4	0.00124
BRZ 14	Renner	Enamel	Yellow	170258.4	17.02584
BRZ 15	Dacar	Enamel	White	26.3	0.00263
BRZ 16	Dacar	Enamel	Green	7665.5	0.76655
BRZ 17	Dacar	Enamel	Black	24.7	0.00247
BRZ 18	Dacar	Enamel	Red	19080.6	1.90806
BRZ 19	Dacar	Enamel	Blue	573.2	0.05732
BRZ 20	Dacar	Enamel	Orange	60713.1	6.07131
BRZ 21	Suvinil	Enamel	Red	20957.1	2.09571
BRZ 22	Suvinil	Enamel	Yellow	66125.7	6.61257
BRZ 23	Suvinil	Enamel	White	55.4	0.00554
BRZ 24	Suvinil	Enamel	Black	4.3	0.00043
BRZ 25	Coral – Coralit	Enamel	Yellow	9.6	0.00096
BRZ 26	Coral – Coralit	Enamel	Green	5.9	0.00059
BRZ 27	Coral – Coralit	Enamel	Black	0.6	0.00006
BRZ 28	Coral – Coralit	Enamel	Red	8.2	0.00082
BRZ 29	Renner	Enamel	Green	11.9	0.00119
BRZ 30	3RM	Enamel	Black	4935.5	0.49355
BRZ 31	3RM	Enamel	White	3896.1	0.38961

Table 43. Statistical measurements of paint samples from Brazil

	All samples	Enamel Samples	Plastic Samples
Arithmetic Mean	11618.3	15004.1	9.8
Standard deviation	33563.7	37635.1	5.1
Maximum Concentration	170258.4	170258.4	14.4
Minimum concentrations	0.6	0.6	0.6
Median	16.4	39.6	12.4

Table 44. Distribution of paint samples having lead concentration more than 901600 pm

	Number of Samples	Number of Samples having lead concentration	Number of Samples having lead concentration
Enamel Paint Samples	24	10 (41.7 %)	9 (37.5%)
Plastic Paint Samples	7	0	0
All Samples	31	10 (32.2%)	9 (28.1%)

Table 46. Lead concentrations in paint samples from India

Sample No	Paint brand	Type of paint-Plastic/enamel	Colour of the paints	Pb Concentration (in ppm)	Pb concentration (in %)
IND 01	Kansai Nerolac	Synthetic Enamel Hi-Gloss finish	P.O. Red	22.8	0.00228
IND 02	Kansai Nerolac	Synthetic Enamel Hi-Gloss finish	N. Bus Green	8.1	0.00081
IND 03	Kansai Nerolac	Synthetic Enamel Hi-Gloss finish	Brill White	11.1	0.00111
IND 04	Kansai Nerolac	Synthetic Enamel Hi-Gloss finish	Oxford Blue	11.9	0.00119
IND 05	ICI Dulux	Premium Gloss Enamel paint	Bus Green	8.1	0.00081
IND 06	ICI Dulux	Premium Gloss Enamel paint	P.O. Red	13.4	0.00134
IND 07	ICI Dulux	Premium Gloss Enamel paint	Golden Yellow	12.8	0.00128
IND 08	ICI Dulux	Premium Gloss Enamel paint	Blazing white	10.6	0.00106
IND 09	Berger	Luxol Hi-Gloss enamel	Bus Green	49592.8	4.95928
IND 10	Berger	Luxol Hi-Gloss enamel	Oxford Blue	22273.6	2.22736
IND 11	Berger	Luxol Hi-Gloss enamel	Snow White	15205.8	1.52058
IND 12	Berger	Luxol Hi-Gloss enamel	P.O. Red	20519.6	2.05196
IND 13	Berger	Luxol Hi-Gloss enamel	G Yellow	41381.3	4.13813
IND 14	Shalimar	Superlac Hi-gloss enamel	Golden Yellow	31630.1	3.16301
IND 15	Asian Paints	Premium Gloss Enamel	BLZ. White	13625.6	1.36256
IND 16	Asian Paints	Premium Gloss Enamel	P.O. Red	12534.7	1.25347
IND 17	Asian Paints	Premium Gloss Enamel	Oxford Blue	26.4	0.00264
IND 18	Asian Paints	Premium Gloss Enamel	BLZ. White	23	0.0023
IND 19	Asian Paints	Premium Gloss Enamel	Golden Yellow	12.9	0.00129
IND 20	Asian Paints	Premium Gloss Enamel	P.O. Red	65.7	0.00657
IND 21	Asian Paints	Premium Gloss Enamel	OX Blue	14	0.0014
IND 22	Asian Paints	Premium Gloss Enamel	Bus Green	28.1	0.00281
IND 23	Nerolac	Full gloss hard drying synthetic clear		30.2	0.00302
IND 24	Asian Paints	Clear synthetic Enamel VA		0.6	0.00006
IND 25	Shalimar	Superlac Hi-gloss enamel Synthetic clear Varnish		52	0.0052
IND 26	Honda	Pale Copal Varnish City Paints		8.7	0.00087

Table 47. Statistical summary of lead concentrations in paint samples from India

	All Samples	Enamel Samples	Varnish Samples
Arithmetic Mean	7966.3	9410.6	22.9
Standard Deviation	14161.2	14984.4	23.1
Maximum Concentration	49592.8	49592.8	52
Minimum Concentration	0.6	8.1	0.6
Median	24.7	24.7	19.5

Table 48. Distribution of paint samples having lead concentrations more than 901600 ppm

	Number of Samples	Number of samples having lead concentrations more than 90	Number of samples having lead concentrations more than 600 ppm
Enamel Paint Samples	22	8 (36.4%)	8 (36.4 %)
Varnish Paint Samples	4	0	0
All paint Samples	26	8 (30.8 %)	8 (30.8%)

Table 49. Statistical measurements of lead concentrations of all samples taken together

Countries	Arithmetic Mean (ppm)			Maximum lead Concentration (ppm)			Minimum Lead Concentrations (ppm)			Median (ppm)		
	All samples	Enamel Samples	Plastic Samples	All Samples	Enamel Samples	Plastic Samples	All Samples	Enamel Samples	Plastic Samples	All Samples	Enamel Samples	Plastic Samples
Sri Lanka*	15926.9	25209.8	4176.7	137324.6	137324.6	45743.1	3.7	3.7	5.8	34.4	5137.4	17.75
Philippines	17016.4	28353.6	10.7	189163.5	189163.5	40.2	0.6	3.4	0.6	40.2	3198.6	8.7
Thailand	38970.5	61892.7	2.7	505715.6	505715.6	14.9	0.6	0.6	0.6	2.2	34.8	0.6
Tanzania	11187.3	14536.9	22.2	120862.1	120862.1	40.2	12.7	193.2	12.7	3631.5	4130.5	18.6
South Africa	19861.6	19861.6		195289	195289		2.7	2.7		10.8	10.8	
Nigeria	30332.1	36989.5	8457.9	129837	129837	34597.7	2898.4	4635.7	2898.4	13394.2	23865.7	4560
Senegal	4108.1	5866.4	5.5	29716.7	29716.7	28.7	0.6	0.6	0.6	1614.6	2771.4	2.7
Belarus	4091	5557.5	58.2	59387.2	59387.2	418.1	0.6	0.6	0.6	570.9	1677.7	1.7
Mexico	34575.3	51860.1	5.6	163811.8	163811.8	15.9	0.6	22758.5	0.6	30204.2	45613.6	4.4
Brazil	11618.3	15004.1	9.8	170258.4	170258.4	14.4	0.6	0.6	0.6	16.4	39.6	12.4
India**	7966.3	9410.6		49592.8	49592.8		0.6	8.1		24.7	24.7	
All	18220.3	23707.1	1508.45	505715.6	505715.6	45743	0.6	0.6	0.6	1541.2	3914.2	8.6

Table 50. Distribution of samples (all samples from all countries) having lead concentrations more than 901600 ppm

Countries	No of Enamel Samples	No of Plastic Samples	Total No. of samples	% of samples having lead concentrations more than 90			% of samples having lead concentrations more than 600		
				All Samples	Enamel Samples	Plastic Samples	All Samples	Enamel Samples	Plastic Samples
Sri Lanka*	19	11	33	45.00%	68.00%	10.00%	45.00%	68.00%	10.00%
Philippines	15	10	25	40%	67.00%	0%	36%	60%	0%
Thailand	17	10	27	30%	47%	0%	30	47	0%
Tanzania	20	6	26	77%	100%	0%	73%	95%	0%
South Africa	29	0	29	65%	65%		62%	62%	
Nigeria	23	7	30	100%	100%	100%	100%	100%	100%
Senegal	21	9	30	60%	86%	0%	53%	76%	0%
Belarus	22	8	30	60%	82%	0%	50%	68%	0%
Mexico	20	10	30	67%	100%	0%	67%	100%	0%
Brazil	24	7	31	32%	42%	0%	28%	37%	0%
India**	22	0	26	31%	36%		31%	36%	
All	232	78	317	53%	68.50%	10.20%	50%	64.60%	10.20%

* 3 varnish samples are included in the total number of samples

** 4 varnish samples are included in the total number of samples

