

Test Report

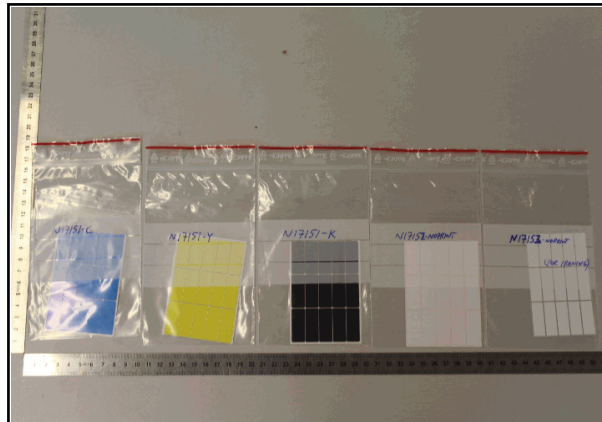
Customer:	Consumer Lab Denmark Industrivej 9 AC DK-5500 Middelfart Denmark	Report No.:	(25417)256-365014
Contact Person:	Mr. Torben Foged	Report Version:	1
Customer Reference:	lkast Etiket; N17151-C, N17151-Y, N17151-K, N17152-noprint, N17153-noprint	Date of Reception:	07.09.2017
		Report Date:	13.09.2017
		Date of Order:	04.09.2017
		Sampled By:	client

Sample Information

Testing Requirements:	Tested according to "ordered" requirements		
Sample Description:	Different labels		
Performance Date:	07.09.2017 - 13.09.2017	No. of workdays:	4

Submitted Samples

Nr. 1



Summary of Test Results

Tested according to "ordered" requirements

Tests required	Conclusion	Remark
2009/48/EC Heavy metals, EN 71 Part 3:2013 + A1:2014 (Screening Test)	Pass	

Tested Samples

Article No	Sample ID	Sample description
	365014-01	1) Cyan/Blue labels (N17151-C)
	365014-02	2) Yellow labels (N17151-Y)
	365014-03	3) Karbon/Black labels (N17151-K)
	365014-04	4) Labels without print/ink (N17152-noprint)
	365014-05	5) Labels without print/ink (for ironing) (N17153-noprint)

Test Results

Tested according to "ordered" requirements

Sample Description:		Lab Reference No:	
1) Cyan/Blue labels (N17151-C)		365014-01	
Test Method / Standard: Heavy metals - for scraped off toy material: EN 71 Part 3:2013+A1:2014 (Screening Test), 2009/48/EC Heavy metals reporting limits: Cr III / Cr VI: 0.05 mg/kg, Hg / organic tin: 0.1 mg/kg, As / Ba / Cd / Co / Mn / Ni / Pb / Sb / Se / Sn / Sr : 1 mg/kg, Al / B / Cu / Zn: 10 mg/kg			
Test Location: Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating
Aluminium (Al)	≤ 70000 mg/kg	<10 mg/kg	Pass
Antimony (Sb)	≤ 560 mg/kg	<1 mg/kg	Pass
Arsenic (As)	≤ 47 mg/kg	<1 mg/kg	Pass
Cadmium (Cd)	≤ 17 mg/kg	<1 mg/kg	Pass
Barium (Ba)	≤ 18750 mg/kg	6.62 mg/kg	Pass
Boron (B)	≤ 15000 mg/kg	<10 mg/kg	Pass
Chromium (Cr)	≤ 460 mg/kg	<0.05 mg/kg	Pass
Chromium III	≤ 460 mg/kg	Test not necessary	-
Chromium VI	≤ 0.2 mg/kg	Test not necessary	-
Cobalt (Co)	≤ 130 mg/kg	<1 mg/kg	Pass
Copper (Cu)	≤ 7700 mg/kg	<10 mg/kg	Pass
Lead (Pb) - EU requirement	≤ 160 mg/kg	<1 mg/kg	Pass
Lead (Pb) - Germany requirement	≤ 90 mg/kg	<1 mg/kg	Pass
Manganese (Mn)	≤ 15000 mg/kg	<1 mg/kg	Pass
Mercury (Hg)	≤ 94 mg/kg	<0.1 mg/kg	Pass
Nickel (Ni)	≤ 930 mg/kg	<1 mg/kg	Pass
Organic tin	≤ 12 mg/kg	Test not necessary	-
Selenium (Se)	≤ 460 mg/kg	<1 mg/kg	Pass
Strontium (Sr)	≤ 56000 mg/kg	<1 mg/kg	Pass
Tin (Sn)	≤ 180000 mg/kg	<1 mg/kg	Pass
Zinc (Zn)	≤ 46000 mg/kg	<10 mg/kg	Pass



**BUREAU
VERITAS**



Deutsche
Akkreditierungsstelle
D-PL-12024-02-01

3302-0

Page 3 of 7

Sample Description:	2) Yellow labels (N17151-Y)		Lab Reference No:	365014-02
Test Method / Standard:	Heavy metals - for scraped off toy material: EN 71 Part 3:2013+A1:2014 (Screening Test), 2009/48/EC Heavy metals reporting limits: Cr III / Cr VI: 0.05 mg/kg, Hg / organic tin: 0.1 mg/kg, As / Ba / Cd / Co / Mn / Ni / Pb / Sb / Se / Sn / Sr : 1 mg/kg, Al / B / Cu / Zn: 10 mg/kg			
Test Location:	Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating	
Aluminium (Al)	≤ 70000 mg/kg	<10 mg/kg	Pass	
Antimony (Sb)	≤ 560 mg/kg	<1 mg/kg	Pass	
Arsenic (As)	≤ 47 mg/kg	<1 mg/kg	Pass	
Cadmium (Cd)	≤ 17 mg/kg	<1 mg/kg	Pass	
Barium (Ba)	≤ 18750 mg/kg	3.83 mg/kg	Pass	
Boron (B)	≤ 15000 mg/kg	<10 mg/kg	Pass	
Chromium (Cr)	≤ 460 mg/kg	<0.05 mg/kg	Pass	
Chromium III	≤ 460 mg/kg	Test not necessary	-	
Chromium VI	≤ 0.2 mg/kg	Test not necessary	-	
Cobalt (Co)	≤ 130 mg/kg	<1 mg/kg	Pass	
Copper (Cu)	≤ 7700 mg/kg	<10 mg/kg	Pass	
Lead (Pb) - EU requirement	≤ 160 mg/kg	<1 mg/kg	Pass	
Lead (Pb) - Germany requirement	≤ 90 mg/kg	<1 mg/kg	Pass	
Manganese (Mn)	≤ 15000 mg/kg	<1 mg/kg	Pass	
Mercury (Hg)	≤ 94 mg/kg	<0.1 mg/kg	Pass	
Nickel (Ni)	≤ 930 mg/kg	<1 mg/kg	Pass	
Organic tin	≤ 12 mg/kg	Test not necessary	-	
Selenium (Se)	≤ 460 mg/kg	<1 mg/kg	Pass	
Strontium (Sr)	≤ 56000 mg/kg	<1 mg/kg	Pass	
Tin (Sn)	≤ 180000 mg/kg	<1 mg/kg	Pass	
Zinc (Zn)	≤ 46000 mg/kg	<10 mg/kg	Pass	



**BUREAU
VERITAS**



Deutsche
Akkreditierungsstelle
D-PL-12024-02-01

3302-0

Page 4 of 7

Sample Description: 3) Karbon/Black labels (N17151-K)		Lab Reference No: 365014-03	
Test Method / Standard: Heavy metals - for scraped off toy material: EN 71 Part 3:2013+A1:2014 (Screening Test), 2009/48/EC Heavy metals reporting limits: Cr III / Cr VI: 0.05 mg/kg, Hg / organic tin: 0.1 mg/kg, As / Ba / Cd / Co / Mn / Ni / Pb / Sb / Se / Sn / Sr : 1 mg/kg, Al / B / Cu / Zn: 10 mg/kg			
Test Location: Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating
Aluminium (Al)	≤ 70000 mg/kg	<10 mg/kg	Pass
Antimony (Sb)	≤ 560 mg/kg	<1 mg/kg	Pass
Arsenic (As)	≤ 47 mg/kg	<1 mg/kg	Pass
Cadmium (Cd)	≤ 17 mg/kg	<1 mg/kg	Pass
Barium (Ba)	≤ 18750 mg/kg	3.77 mg/kg	Pass
Boron (B)	≤ 15000 mg/kg	<10 mg/kg	Pass
Chromium (Cr)	≤ 460 mg/kg	<0.05 mg/kg	Pass
Chromium III	≤ 460 mg/kg	Test not necessary	-
Chromium VI	≤ 0.2 mg/kg	Test not necessary	-
Cobalt (Co)	≤ 130 mg/kg	<1 mg/kg	Pass
Copper (Cu)	≤ 7700 mg/kg	<10 mg/kg	Pass
Lead (Pb) - EU requirement	≤ 160 mg/kg	<1 mg/kg	Pass
Lead (Pb) - Germany requirement	≤ 90 mg/kg	<1 mg/kg	Pass
Manganese (Mn)	≤ 15000 mg/kg	<1 mg/kg	Pass
Mercury (Hg)	≤ 94 mg/kg	<0.1 mg/kg	Pass
Nickel (Ni)	≤ 930 mg/kg	<1 mg/kg	Pass
Organic tin	≤ 12 mg/kg	Test not necessary	-
Selenium (Se)	≤ 460 mg/kg	<1 mg/kg	Pass
Strontium (Sr)	≤ 56000 mg/kg	<1 mg/kg	Pass
Tin (Sn)	≤ 180000 mg/kg	<1 mg/kg	Pass
Zinc (Zn)	≤ 46000 mg/kg	<10 mg/kg	Pass



**BUREAU
VERITAS**



Deutsche
Akkreditierungsstelle
D-PL-12024-02-01

3302-0

Page 5 of 7

Sample Description:	4) Labels without print/ink (N17152-noprint)		Lab Reference No:	365014-04
Test Method / Standard:	Heavy metals - for scraped off toy material: EN 71 Part 3:2013+A1:2014 (Screening Test), 2009/48/EC Heavy metals reporting limits: Cr III / Cr VI: 0.05 mg/kg, Hg / organic tin: 0.1 mg/kg, As / Ba / Cd / Co / Mn / Ni / Pb / Sb / Se / Sn / Sr : 1 mg/kg, Al / B / Cu / Zn: 10 mg/kg			
Test Location:	Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating	
Aluminium (Al)	≤ 70000 mg/kg	<10 mg/kg	Pass	
Antimony (Sb)	≤ 560 mg/kg	<1 mg/kg	Pass	
Arsenic (As)	≤ 47 mg/kg	<1 mg/kg	Pass	
Cadmium (Cd)	≤ 17 mg/kg	<1 mg/kg	Pass	
Barium (Ba)	≤ 18750 mg/kg	<1 mg/kg	Pass	
Boron (B)	≤ 15000 mg/kg	<10 mg/kg	Pass	
Chromium (Cr)	≤ 460 mg/kg	<0.05 mg/kg	Pass	
Chromium III	≤ 460 mg/kg	Test not necessary	-	
Chromium VI	≤ 0.2 mg/kg	Test not necessary	-	
Cobalt (Co)	≤ 130 mg/kg	<1 mg/kg	Pass	
Copper (Cu)	≤ 7700 mg/kg	<10 mg/kg	Pass	
Lead (Pb) - EU requirement	≤ 160 mg/kg	<1 mg/kg	Pass	
Lead (Pb) - Germany requirement	≤ 90 mg/kg	<1 mg/kg	Pass	
Manganese (Mn)	≤ 15000 mg/kg	<1 mg/kg	Pass	
Mercury (Hg)	≤ 94 mg/kg	<0.1 mg/kg	Pass	
Nickel (Ni)	≤ 930 mg/kg	<1 mg/kg	Pass	
Organic tin	≤ 12 mg/kg	Test not necessary	-	
Selenium (Se)	≤ 460 mg/kg	<1 mg/kg	Pass	
Strontium (Sr)	≤ 56000 mg/kg	<1 mg/kg	Pass	
Tin (Sn)	≤ 180000 mg/kg	<1 mg/kg	Pass	
Zinc (Zn)	≤ 46000 mg/kg	<10 mg/kg	Pass	



**BUREAU
VERITAS**



Deutsche
Akkreditierungsstelle
D-PL-12024-02-01

3302-0

Page 6 of 7

Sample Description:	5) Labels without print/ink (for ironing) (N17153-noprint)		Lab Reference No:	365014-05
Test Method / Standard:	Heavy metals - for scraped off toy material: EN 71 Part 3:2013+A1:2014 (Screening Test), 2009/48/EC Heavy metals reporting limits: Cr III / Cr VI: 0.05 mg/kg, Hg / organic tin: 0.1 mg/kg, As / Ba / Cd / Co / Mn / Ni / Pb / Sb / Se / Sn / Sr : 1 mg/kg, Al / B / Cu / Zn: 10 mg/kg			
Test Location:	Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating	
Aluminium (Al)	≤ 70000 mg/kg	<10 mg/kg	Pass	
Antimony (Sb)	≤ 560 mg/kg	<1 mg/kg	Pass	
Arsenic (As)	≤ 47 mg/kg	<1 mg/kg	Pass	
Cadmium (Cd)	≤ 17 mg/kg	<1 mg/kg	Pass	
Barium (Ba)	≤ 18750 mg/kg	<1 mg/kg	Pass	
Boron (B)	≤ 15000 mg/kg	<10 mg/kg	Pass	
Chromium (Cr)	≤ 460 mg/kg	<0.05 mg/kg	Pass	
Chromium III	≤ 460 mg/kg	Test not necessary	-	
Chromium VI	≤ 0.2 mg/kg	Test not necessary	-	
Cobalt (Co)	≤ 130 mg/kg	<1 mg/kg	Pass	
Copper (Cu)	≤ 7700 mg/kg	<10 mg/kg	Pass	
Lead (Pb) - EU requirement	≤ 160 mg/kg	<1 mg/kg	Pass	
Lead (Pb) - Germany requirement	≤ 90 mg/kg	<1 mg/kg	Pass	
Manganese (Mn)	≤ 15000 mg/kg	<1 mg/kg	Pass	
Mercury (Hg)	≤ 94 mg/kg	<0.1 mg/kg	Pass	
Nickel (Ni)	≤ 930 mg/kg	<1 mg/kg	Pass	
Organic tin	≤ 12 mg/kg	Test not necessary	-	
Selenium (Se)	≤ 460 mg/kg	<1 mg/kg	Pass	
Strontium (Sr)	≤ 56000 mg/kg	<1 mg/kg	Pass	
Tin (Sn)	≤ 180000 mg/kg	<1 mg/kg	Pass	
Zinc (Zn)	≤ 46000 mg/kg	<10 mg/kg	Pass	

All services provided by Bureau Veritas Consumer Products Services Germany GmbH are subject to our current Terms and Conditions . The test result relates only to the tested item. Without the written consent of Bureau Veritas Consumer Products Services Germany GmbH excerpts of this report shall not be reproduced. Tests not covered by the laboratory's testing spectrum may be subcontracted to an accredited laboratory. The accreditation relates to competences stated on the accreditation certificate. If nothing else has been agreed on samples are stored for 3 months. All tested parameters are listed in the appendix.

The testing of mixed samples is carried out at the customer's explicit request and may imply a deviation from the testing standard. Please note the following: results for mixed samples that are below the limit may exceed the limit if the samples contained in the mixed sample are tested individually. In these cases separate testing of the samples is recommended.

Performance Date: 07.09.2017 - 13.09.2017

Total Run Time: 4

Dr. Stanislaw Lifson
Analytical Testing Specialist

No results printed beyond this point in the report



**BUREAU
VERITAS**



Deutsche
Akkreditierungsstelle
D-PL-12024-02-01

3302-0

Page 7 of 7

Parameters & CAS No.

Heavy metals - for scraped off toy material	(CAS No.)
Aluminium (Al)	(7429-90-5)
Lead (Pb) - EU requirement	(7439-92-1)
Manganese (Mn)	(7439-96-5)
Mercury (Hg)	(7439-97-6)
Nickel (Ni)	(7440-02-0)
Strontium (Sr)	(7440-24-6)
Tin (Sn)	(7440-31-5)
Antimony (Sb)	(7440-36-0)
Arsenic (As)	(7440-38-2)
Barium (Ba)	(7440-39-3)
Boron (B)	(7440-42-8)
Cadmium (Cd)	(7440-43-9)
Chromium (Cr)	(7440-47-3)
Cobalt (Co)	(7440-48-4)
Copper (Cu)	(7440-50-8)
Zinc (Zn)	(7440-66-6)
Selenium (Se)	(7782-49-2)