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wir helfen, beraten und prüfen

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Krackserstrasse 12, 33659, Bielefeld, Germany

TEST RESULTS

Technical Tattoo Supply
PO Box 1102
68 Cabot Street
11704 West Babylon, New York
USA

YOUR REFERENCE:	Mr Rubino
YOUR LETTER DATED:	14.12.2009
ARRIVAL DATE CTL:	15.12.2009
DATE:	18.01.2010
CTL–NO:	63349
EXT:	13
E-MAIL:	logistikA@ctl-bielefeld.de

ORDER:	Testing according to Resolution ResAP(2008)1 on requirements and criteria for the safety of tattoos and permanent make-up
ARTICLE:	5 samples of tattoo colours
COLOURS:	powerwhite, magic magenta, black cherry, onyx, gump

Dear Mr Rubino

Thank you for your order mentioned above.

The results can be taken from the following tables.

Please do not hesitate to contact us if you have any queries. Please always quote CTL-No 63349 .

Yours sincerely
CTL Bielefeld GmbH

i. A. Marion Hahn

Tests and results

CTL-No.: **Article:** **Colour:**		**63349/1** **1 sample of a tattoo colour** **powerwhite**	
			passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm, Limit: 30 ppm		not detectable	yes
Azo-dyestuffs, Part 1b Investigation of carcinogens classified in Categories 1, 2 and 3 by the European Commission and mentioned in the Council Directive 1967/548/EEC of 27 June 1967 according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm		not detectable	yes
Dyestuffs, Part 2 acc. to EU Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L		not detectable	yes
Heavy metals, Part 3 acc. to EU Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E29; Analysis acc. to EU ResAP(89)1	**Limit:**		yes
Arsenic (As)	2 ppm	< 2 ppm	
Barium (Ba)	50 ppm	< 50 ppm	
Cadmium (Cd)	0.2 ppm	< 0.2 ppm	
Cobalt (Co)	25 ppm	< 25 ppm	
Chromium (Cr), VI	0.2 ppm	<0.2 ppm	
Copper (Cu), soluble	25 ppm	< 25 ppm	
Mercury (Hg)	0.2 ppm	< 0.2 ppm	
Nickel (Ni)	As low as technically achievable	< 0.5 ppm	
Lead (Pb)	2 ppm	< 2 ppm	
Selenium (Se)	2 ppm	< 2 ppm	
Antimony (Sb)	2 ppm	< 2 ppm	
Tin (Sn)	50 ppm	< 50 ppm	
Zinc (Zn)	50 ppm	< 50 ppm	
PAH and BaP, Part 4 Investigation of 16 compounds of Polycyclic hydrocarbons incl. Benzene-a-pyrene acc. to EU Resolution ResAP(2008)1 Methods acc. to EPA, ZEK 2008-01 Detection limit: PAH 0.05 ppm as total, BaP 0.5 ppb Limit: PAH 0.5 ppm as total, BaP 5 ppb		not detectable	yes
result		passed	

CTL-No.: **Article:** **Colour:**	**63349/2** **1 sample of a tattoo colour** **magic magenta**	
		passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm, Limit: 30 ppm	not detectable	yes
Azo-dyestuffs, Part 1b Investigation of carcinogens classified in Categories 1, 2 and 3 by the European Commission and mentioned in the Council Directive 1967/548/EEC of 27 June 1967 according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm	not detectable	yes
Dyestuffs, Part 2 acc. to EU Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L	not detectable	yes
Heavy metals, Part 3 acc. to EU Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E29; Analysis acc. to EU ResAP(89)1 **Limit:** Arsenic (As) 2 ppm Barium (Ba) 50 ppm Cadmium (Cd) 0.2 ppm Cobalt (Co) 25 ppm Chromium (Cr), VI 0.2 ppm Copper (Cu), soluble 25 ppm Mercury (Hg) 0.2 ppm Nickel (Ni) As low as technically achievable Lead (Pb) 2 ppm Selenium (Se) 2 ppm Antimony (Sb) 2 ppm Tin (Sn) 50 ppm Zinc (Zn) 50 ppm	< 2 ppm < 50 ppm < 0.2 ppm < 25 ppm <0.2 ppm < 25 ppm < 0.2 ppm < 0.5 ppm < 2 ppm < 2 ppm < 2 ppm < 50 ppm < 50 ppm	yes
PAH and BaP, Part 4 Investigation of 16 compounds of Polycyclic hydrocarbons incl. Benzene-a-pyrene acc. to EU Resolution ResAP(2008)1 Methods acc. to EPA, ZEK 2008-01 Detection limit: PAH 0.05 ppm as total, BaP 0.5 ppb Limit: PAH 0.5 ppm as total, BaP 5 ppb	Phenanthrene 0.30 ppm total: 0.30 ppm	yes
result	passed	

CTL-No.: **Article:** **Colour:**	**63349/3** **1 sample of a tattoo colour** **black cherry**	
		passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm, Limit: 30 ppm	not detectable	yes
Azo-dyestuffs, Part 1b Investigation of carcinogens classified in Categories 1, 2 and 3 by the European Commission and mentioned in the Council Directive 1967/548/EEC of 27 June 1967 according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm	not detectable	yes
Dyestuffs, Part 2 acc. to EU Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L	not detectable	yes
Heavy metals, Part 3 acc. to EU Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E29; Analysis acc. to EU ResAP(89)1 **Limit:** Arsenic (As) 2 ppm Barium (Ba) 50 ppm Cadmium (Cd) 0.2 ppm Cobalt (Co) 25 ppm Chromium (Cr), VI 0.2 ppm Copper (Cu), soluble 25 ppm Mercury (Hg) 0.2 ppm Nickel (Ni) As low as technically achievable Lead (Pb) 2 ppm Selenium (Se) 2 ppm Antimony (Sb) 2 ppm Tin (Sn) 50 ppm Zinc (Zn) 50 ppm	< 2 ppm < 50 ppm < 0.2 ppm < 25 ppm <0.2 ppm < 25 ppm < 0.2 ppm < 0.5 ppm < 2 ppm < 2 ppm < 2 ppm < 50 ppm < 50 ppm	yes
PAH and BaP, Part 4 Investigation of 16 compounds of Polycyclic hydrocarbons incl. Benzene-a-pyrene acc. to EU Resolution ResAP(2008)1 Methods acc. to EPA, ZEK 2008-01 Detection limit: PAH 0.05 ppm as total, BaP 0.5 ppb Limit: PAH 0.5 ppm as total, BaP 5 ppb	Acenaphthene 0.07 ppm Phenanthrene 0.30 ppm total: 0.37 ppm	yes
result	passed	

CTL-No.: **Article:** **Colour:**	**63349/4** **1 sample of a tattoo colour** **onyx**	
		passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm, Limit: 30 ppm	not detectable	yes
Azo-dyestuffs, Part 1b Investigation of carcinogens classified in Categories 1, 2 and 3 by the European Commission and mentioned in the Council Directive 1967/548/EEC of 27 June 1967 according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm	not detectable	yes
Dyestuffs, Part 2 acc. to EU Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L	not detectable	yes
Heavy metals, Part 3 acc. to EU Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E29; Analysis acc. to EU ResAP(89)1 **Limit:** Arsenic (As) 2 ppm Barium (Ba) 50 ppm Cadmium (Cd) 0.2 ppm Cobalt (Co) 25 ppm Chromium (Cr), VI 0.2 ppm Copper (Cu), soluble 25 ppm Mercury (Hg) 0.2 ppm Nickel (Ni) As low as technically achievable Lead (Pb) 2 ppm Selenium (Se) 2 ppm Antimony (Sb) 2 ppm Tin (Sn) 50 ppm Zinc (Zn) 50 ppm	< 2 ppm < 50 ppm < 0.2 ppm < 25 ppm <0.2 ppm < 25 ppm < 0.2 ppm < 0.5 ppm < 2 ppm < 2 ppm < 2 ppm < 50 ppm < 50 ppm	yes
PAH and BaP, Part 4 Investigation of 16 compounds of Polycyclic hydrocarbons incl. Benzene-a-pyrene acc. to EU Resolution ResAP(2008)1 Methods acc. to EPA, ZEK 2008-01 Detection limit: PAH 0.05 ppm as total, BaP 0.5 ppb Limit: PAH 0.5 ppm as total, BaP 5 ppb	Acenaphthene 0.08 ppm Phenanthrene 0.09 ppm total: 0.17 ppm	yes
result	passed	

CTL-No.: **Article:** **Colour:**	**63349/5** **1 sample of a tattoo colour gump**	
		passed
Azo-dyestuffs, Part 1a Investigation of aromatic amines with carcinogenic, mutagenic, reprotoxic and sensitising properties according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm, Limit: 30 ppm	not detectable	yes
Azo-dyestuffs, Part 1b Investigation of carcinogens classified in Categories 1, 2 and 3 by the European Commission and mentioned in the Council Directive 1967/548/EEC of 27 June 1967 according to EU Resolution ResAP(2008)1 Methods acc. to § 64 LFGB 82.02-2,3,4,9 Detection limit: 1 ppm	not detectable	yes
Dyestuffs, Part 2 acc. to EU Resolution ResAP(2008)1 Methods: TLC-, HPLC-, GC/MS-analysis acc. to DIN 54231 Detection limit: 5 mg/L	not detectable	yes
Heavy metals, Part 3 acc. to EU Resolution ResAP(2008)1 Methods: extraction using acidic perspiration solution acc. to DIN 38406-E29; Analysis acc. to EU ResAP(89)1 **Limit:** Arsenic (As) 2 ppm Barium (Ba) 50 ppm Cadmium (Cd) 0.2 ppm Cobalt (Co) 25 ppm Chromium (Cr), VI 0.2 ppm Copper (Cu), soluble 25 ppm Mercury (Hg) 0.2 ppm Nickel (Ni) As low as technically achievable Lead (Pb) 2 ppm Selenium (Se) 2 ppm Antimony (Sb) 2 ppm Tin (Sn) 50 ppm Zinc (Zn) 50 ppm	< 2 ppm < 50 ppm < 0.2 ppm < 25 ppm <0.2 ppm < 25 ppm < 0.2 ppm < 0.5 ppm < 2 ppm < 2 ppm < 2 ppm < 50 ppm < 50 ppm	yes
PAH and BaP, Part 4 Investigation of 16 compounds of Polycyclic hydrocarbons incl. Benzene-a-pyrene acc. to EU Resolution ResAP(2008)1 Methods acc. to EPA, ZEK 2008-01 Detection limit: PAH 0.05 ppm as total, BaP 0.5 ppb Limit: PAH 0.5 ppm as total, BaP 5 ppb	Naphthalene 0.06 ppm Acenaphthene 0.06 ppm Phenanthrene 0.17 ppm total: 0.29 ppm	yes
result	passed	

Yours sincerely
CTL Bielefeld GmbH

i. A. Marion Hahn