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Krackserstrasse 12, 33659, Bielefeld, Germany

CTL-No.: Article: Colour:	61892/2 1 sample of a tattoo pigment Tattoo Outlining Ink	
		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	< 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	yes
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	Naphthalene 0.01 ppm Acenaphthylene 0.02 ppm Acenaphthene 0.03 ppm Fluorene 0.08 ppm Pyrene 0.02 ppm total: 0.16 ppm	yes
result	passed	

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TEST RESULTS

CTL-No.: Article: Colour:	61892/3 1 sample of a tattoo pigment Graywash Shading Ink	
		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	< 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
		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 0.01 ppm Pyrene 0.01 ppm total: 0.02 ppm	yes
result	passed	

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Tests and results

CTL-No.: **Article:** **Colour:**	**63495/1** **1 sample of a tattoo colour „Kuro Sumi"** **Cherry Shading Ink**	
		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	< 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	yes
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	Phenanthrene 0.13 ppm total: 0.13 ppm	yes
result	passed	

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TEST RESULTS

CTL-No.: Article: Colour:	63495/2 1 sample of a tattoo colour „Kuro Sumi" Bronze Shading Ink	
		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		yes
Limit:		
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	Acenaphtene 0.05 ppm Phenanthrene 0.07 ppm total: 0.12 ppm	yes
result	passed	

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Tests and results

CTL-No.: 61892/1 **Article:** 1 sample of a tattoo pigment **Colour:** New Agento		
		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	< 2 ppm	yes
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	Phenanthrene 0.01 ppm total: 0.01 ppm	yes
result	passed	

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TEST RESULTS

CTL-No.: Article: Colour:	63495/3 1 sample of a tattoo colour „Millenium Colorworks Inc" Hello Yellow	
		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	< 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
		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 0.16 ppm total: 0.16 ppm	yes
result	passed	

Yours sincerely
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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:		
Arsenic (As) 2 ppm	< 2 ppm	yes
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	

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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	< 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
		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	

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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	< 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
		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	

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TEST RESULTS

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(69)1		yes
Limit:		
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	Acenaphthene 0.08 ppm Phenanthrene 0.09 ppm total: 0.17 ppm	yes
result	passed	

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TEST RESULTS

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(69)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

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TEST RESULTS

CTL-No.: Article: Colour:	62411/12 1 sample of a tattoo colour Kuro Sumi Colors mineranu green	
		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	< 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
		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 0.08 ppm Acenaphthene 0.19 ppm Fluorene 0.09 ppm Phenanthrene 0.11 ppm total: 0.47 ppm	yes
result	passed	

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TEST RESULTS

CTL-No.: Article: Colour:	62411/13 1 sample of a tattoo colour Kuro Sumi Colors black	
		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	< 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	**0.8 ppm**
Copper (Cu), soluble	25 ppm	**270 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
		no
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 0.30 ppm Fluorene 0.11 ppm total: 0.41 ppm	yes
result	passed	

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CTL-No.: **Article:** **Colour:**	**62411/14** **1 sample of a tattoo colour** **Kuro Sumi Colors** **murasaki purple**	
		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	< 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
		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 0.15 ppm Fluorene 0.09 ppm Phenanthrene 0.09 ppm total: 0.33 ppm	yes
result	passed	

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CTL-No.: Article: Colour:	62411/15 1 sample of a tattoo colour Kuro Sumi Colors white rice mixing	
		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	< 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
		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 0.12 ppm total: 0.12 ppm	yes
result	passed	

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TEST RESULTS

CTL-No.: Article: Colour:	62411/16 1 sample of a tattoo colour Kuro Sumi Colors suna gold	
		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	**70 mg/kg o-anisidine**	no
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 0.17 ppm Phenanthrene 0.28 ppm total: 0.45 ppm	yes
result	passed	

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TEST RESULTS

CTL-No.: Article: Colour:	62411/18 1 sample of a tattoo colour Kuro Sumi Colors chairo brown	
		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 0.2 ppm total: 0.2 ppm	yes
result	passed	

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CTL-No.: Article: Colour:	62411/19 1 sample of a tattoo colour Kuro Sumi Colors chi red	
		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	< 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
		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 0.15 ppm Fluorene 0.07 ppm Phenanthrene 0.23 ppm total: 0.45 ppm	yes
result	passed	

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TEST RESULTS

CTL-No.: Article: Colour:	62411/20 1 sample of a tattoo colour Kuro Sumi Colors mt. fugi 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	< 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
		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 0.17 ppm total: 0.17 ppm	yes
result	passed	