

Request Number	<b>Not Applicable</b>
Receipt Number	<b>22/14555</b>
Receipt date	<b>26/04/22</b>
Test begin - end date	<b>26/04/22 - 29/04/22</b>
Document issued on	<b>29/04/22</b>

**SAMPLE IDENTIFICATION (#):**

**A 3.GANGA BLACK. Brand: Dynamic Color.**

**THIS DOCUMENT CONTAINS THE FOLLOWING TESTS:**

Code	Test	Test Method
CCO007 *	Determination of preservatives content	rif. ISO 13365-1:2020
CCO020 *	Determination of phthalates	CPSC-CH-C1001-09.4:2018 - rif. Reg. CE 1223/2009 e s.m.i
CCO035 *	Determination of 2-phenoxyethanol	MIP_CCO035_rev0:2021
CCO059 *	Determination of triclosan	rif. ISO 22992-2:2020
CCO074 *	Cosmetici: Determination of formaldehyde	rif. GB/T 29493.5-2013
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	MIP_CE0038_rev1:2021
CE0073 *	Tattoos Inks and PMU: determination of certain aromatic amines	MIP_CE0073_rev0:2021 - ref. Reg. (EU) 2020/2081
CE0082	Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon	AfPS GS 2019:01

**TIL TEST & INNOVATION LAB S.r.l.** with single shareholder company

subject to the direction and coordination of KERING HOLLAND NV, company registered in the Netherlands with headquarters in Amsterdam

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**General Remarks**

Results refer exclusively to the materials presented by the Client as received; TIL does not carry out withdrawals and / or samplings and, therefore, any representativeness of the analyzed material, also with respect to lots, is exclusive responsibility of the customer.

(#) Data provided by the Client. Moreover, when information is provided by the Client and can influence the validity of the results, the Laboratory declines all responsibilities.

The expanded uncertainty, available on request, is calculated with a coverage factor  $k=2$  for a confidence level of 95%.

For qualitative tests, or tests where final result is assessed by numerical indexes, the expanded uncertainty is not applicable.

Materials delivered to TIL will be kept available to the Customer for a period of 3 (three) months after completion of the Services; after this period all materials will be disposed of by TIL.

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Unless otherwise requested by the customer, for physical-mechanical tests, flammability tests and fastness tests, Laboratory defines the Pass/Fail assessment not taking into account the uncertainty associated to the measurement result. Uncertainty of method is available on request.

For all other types of tests, where the decision rule is not defined within the test method, laboratory use a decision rule based on "guard band" approach. The rule is described in the "conformity analysis" procedure adopting a coverage factor  $K$  unilateral equal to 1,645 for a confidence level of 95%.

\* Test not accredited by ACCREDIA

**Technical Manager**

Giuseppe Bartolini



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**TEST REPORT N° 22/14666**

**pag. 3 di 12**

Mod.018 Rev .2 del 19.10.2021

**Summary Results Evaluation based on PRSL  
Compliance to Regulation EU 2020/2081**

Rev. 2 del 21/03/2022

Item	Sample	Pass	Fail	Not applied
A	3.GANGA BLACK. Brand: Dynamic Color.	68 Pass	0 Fail	4 NA

**Evaluation Results Sample**

**3.GANGA BLACK. Brand: Dynamic Color.**

Rev. 0 del 06/04/2020

Item	Test Method	Parameter	Limits	Value	P/F
CCO074	Cosmetici: Determination of formaldehyde	Formaldehyde	<=0,5 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Antimony	<=0,5 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Arsenic	<=0,5 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Barium (soluble)	<=500 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Cadmium	<=0,5 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Chromium VI	<=0,5 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Cobalt	<=0,5 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Copper (soluble)	<=250 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Lead	<=0,7 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Mercury	<=0,5 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Nickel	<=5 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Organometallic tin	<=0,5 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Selenium	<=2 mg/kg	Not Detectable	PASS
CE0038	Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)	Zinc (soluble)	<=2000 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	2,4,5-trimethylaniline (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	2,4-xylidine	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	2,6-xylidine	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	2-methyl-p-phenylenediamine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	2-naphtylamine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	3,3'-dichlorobenzidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	3,3'-dimethoxybenzidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	3,3-dimethylbenzidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4,4'-diaminodiphenylmethane	<=5 mg/kg	Not Detectable	PASS

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**TEST REPORT N° 22/14666**
**pag. 4 di 12**

Mod.018 Rev .2 del 19.10.2021

		(as soluble)			
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4,4'-methylene-bis-(2-chloro-aniline) (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4,4'-methylenedi-o-toluidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4,4'-oxydianiline (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4,4'-thiodianiline (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4-amino-3-fluorophenol (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4-aminoazobenzene (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4-aminobiphenyl (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4-chloroaniline (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4-chloro-o-toluidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4-methoxy-m-phenylenediamine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	4-methyl-m-phenylenediamine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	5-nitro-o-toluidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	6-amino-2-ethoxynaphthalene	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	Aniline (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	benzidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	o-aminoazotoluene (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	o-anisidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	o-toluidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	p-cresidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	p-Phenylenediamine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	p-Toluidine (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0073	Tattoos Inks and PMU: determination of certain aromatic amines	sulfanilic acid (as soluble)	<=5 mg/kg	Not Detectable	PASS
CE0082	Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon	Acenaftene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon	Acenaphtylene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon	Anthracene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon	Benzo(a)Anthracene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon	Benzo(a)Pyrene	<=0,005 mg/kg	Not Detectable	PASS
CE0082	Tattoo Inks, PMU and polymers:	Benzo(g,h,i)Perylene	<=0,5 mg/kg	Not Detectable	PASS

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**TEST REPORT N° 22/14666**
**pag. 5 di 12**

Mod.018 Rev .2 del 19.10.2021

	<i>Determination of Polycyclic Aromatic Hydrocarbon</i>				
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Benzo[b]fluoranthene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Benzo[e]Pyrene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Benzo[j]fluoranthene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Benzo[k]Fluoranthene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Crysene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Dibenzo(a,e)Pyrene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Dibenzo(a,h) Anthracene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Dibenzo(a,h)Pyrene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Dibenzo(a,i)Pyrene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Dibenzo(a,l)Pyrene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Fluoranthene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Fluorene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Indeno(1,2,3-cd)Pyrene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Naphtalene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Perylene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Phenanthrene	<=0,5 mg/kg	Not Detectable	PASS
CE0082	<i>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</i>	Pyrene	<=0,5 mg/kg	Not Detectable	PASS
CCO007	<i>Determination of preservatives content</i>	NA	Not applied	NA	NA
CCO020	<i>Determination of phthalates</i>	NA	Not applied	NA	NA
CCO035	<i>Determination of 2-phenoxyethanol</i>	NA	Not applied	NA	NA
CCO059	<i>Determination of triclosan</i>	NA	Not applied	NA	NA

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Begin of Test Report

CCO007 **Determination of preservatives content**

Test methods **rif. ISO 13365-1:2020**

Rev. 0 del 06/04/2020

Testing conditions Organic solvent extraction - 1h - ultrasonic bath

Testing equipment LC-MSMS

Testing date 28/04/2022

Sample identification **3.GANGA BLACK. Brand: Dynamic Color.**

SUBSTANCE	CAS N.	Quantification Limit (LOQ)	Result
2-(thiocyanomethylthio)-Benzothiazole (TCMTB)	21564-17-0	0,5 mg/kg	< LOQ
4-chloro-3-methyl phenol (CMK)	59-50-7	0,5 mg/kg	< LOQ
ortho-Phenylphenol (OPP)	90-43-7	0,5 mg/kg	< LOQ
2-octylisothiazol-3(2H)-one (ISO)	68480-30-8	0,5 mg/kg	< LOQ

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**TEST REPORT N° 22/14666**
**pag. 7 di 12**

Mod.018 Rev .2 del 19.10.2021

CCO020	<b>Determination of phthalates</b>
Test methods	<b>CPSC-CH-C1001-09.4:2018 - rif. Reg. CE 1223/2009 e s.m.i</b>

Rev. 0 del 06/04/2020

Testing conditions organic solvent extraction - ultrasonic bath/soxhlet  
 Testing equipment GC-MSMS  
 Testing date 28/04/2022

Sample identification	<b>3.GANGA BLACK. Brand: Dynamic Color.</b>
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Examined details	<b>Whole Sample</b>
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Phthalate	Cas nr.	Quantification limit (LOQ)		Amount	
		(mg/kg)	(%)	(mg/kg)	(%)
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	DIHP 71888-89-6	50	0,0050	< LOQ	< LOQ
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	DNHUP 68515-42-4	50	0,0050	< LOQ	< LOQ
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	DHEP 68515-50-4	50	0,0050	< LOQ	< LOQ
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	PBLB 84777-06-0	50	0,0050	< LOQ	< LOQ
Benzyl butyl phthalate	BBP 85-68-7	10	0,0010	< LOQ	< LOQ
Di-(2-ethylhexyl)phthalate	DEHP 117-81-7	10	0,0010	< LOQ	< LOQ
Di-(2-methoxyethyl) phthalate	DMEP 117-82-8	10	0,0010	< LOQ	< LOQ
Dibutyl phthalate	DBP 84-74-2	10	0,0010	< LOQ	< LOQ
Dicyclohexyl phthalate	DCHP 84-61-7	10	0,0010	< LOQ	< LOQ
Dihexyl phthalate	DHP 84-75-3	10	0,0010	< LOQ	< LOQ
Di-ethylphthalate	DETP 84-66-2	10	0,0010	< LOQ	< LOQ
Di-isobutyl phthalate	DIBP 84-69-5	10	0,0010	< LOQ	< LOQ
Di-iso-decylphthalate	DIDP 26761-40-0 / 68515-49-1	50	0,0050	< LOQ	< LOQ
Di-iso-hexyl phthalate	DIHXP 71850-09-4	10	0,0010	< LOQ	< LOQ
Di-iso-nonylphthalate	DINP 28553-12-0 / 68515-48-0	50	0,0050	< LOQ	< LOQ
Di-iso-octylphthalate	DIOP 27554-26-3	50	0,0050	< LOQ	< LOQ
Di-isopentyl phthalate	DIPP 605-50-5	10	0,0010	< LOQ	< LOQ
Di-methyl-Phthalate	DMP 131-11-3	10	0,0010	< LOQ	< LOQ
Di-nonylphthalate	DNP 84-76-4	10	0,0010	< LOQ	< LOQ
Di-n-octylphthalate	DNOP 117-84-0	10	0,0010	< LOQ	< LOQ
Di-n-propylphthalate	DPRP 131-16-8	10	0,0010	< LOQ	< LOQ
Dipentyl phthalate	DPP 131-18-0	10	0,0010	< LOQ	< LOQ
Pentyl-isopentyl phthalate	PIPP 776297-69-9	10	0,0010	< LOQ	< LOQ
<b>TOTAL</b>				<b>0</b>	<b>0,000</b>

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CCO035	<b>Determination of 2-phenoxyethanol</b>
Test methods	<b>MIP_CCO035_rev0:2021</b>

Rev. 0 del 06/04/2020

Testing conditions organic solvent extraction - ultrasonic bath  
 Testing equipment LC-MSMS  
 Testing date 28/04/2022

Sample identification	<b>3.GANGA BLACK. Brand: Dynamic Color.</b>
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SUBSTANCE	CAS N.	Quantification Limit (LOQ)	Result
2-phenoxyethanol	122-99-6	0,5 mg/kg	<b>&lt; LOQ</b>

CCO059	<b>Determination of triclosan</b>
Test methods	<b>rif. ISO 22992-2:2020</b>

Rev. 0 del 06/04/2020

Testing conditions Solvent extraction - Ultrasonic bath  
 Testing equipment LC-MSMS  
 Testing date 29/04/2022

Sample identification	<b>3.GANGA BLACK. Brand: Dynamic Color.</b>
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SUBSTANCE	CAS N.	Quantification Limit (LOQ)	Result
Triclosan	3380-34-5	0,05 mg/kg	<b>0,05 mg/kg</b>

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CCO074	<b>Cosmetici: Determination of formaldehyde</b>
<i>Test methods</i>	<b>rif. GB/T 29493.5-2013</b>

Rev. 0 del 06/04/2020

*Testing conditions* Reaction with DNPH  
*Testing equipment* LC-MS/MS  
*Testing date* 28/04/2022

<i>Sample identification</i>	<b>3.GANGA BLACK. Brand: Dynamic Color.</b>
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SUBSTANCE	CAS N.	Quantification Limit (LOQ)	Result
<i>Formaldehyde</i>	50-00-0	0,5 mg/kg	<b>&lt; LOQ</b>

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CE0038	<b>Tattoos inks and PMU: determination of heavy metals (reg. UE 2020/2081)</b>
Test methods	<b>MIP_CE0038_rev1:2021</b>

Rev. 0 del 06/04/2020

Testing conditions Total Metals: Acid digestion - microwave oven / Soluble metals: water extraction  
 Testing equipment ICP-MS / HPLC-DAD  
 Testing date 28/04/2022

Sample identification	<b>3.GANGA BLACK. Brand: Dynamic Color.</b>
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Heavy metals		Results mg/kg	LOQ -Limit of quantification mg/kg	Maximum allowed concentration Regulation UE 2020/2081 mg/kg
As	Arsenic	< LOQ	0,4	0,5
Ba	Barium (soluble)	< LOQ	0,4	500
Cd	Cadmium	< LOQ	0,4	0,5
Co	Cobalt	< LOQ	0,4	0,5
Cr6	Chromium VI	< LOQ	0,3	0,5
Cu	Copper (soluble)	< LOQ	0,4	250
Hg	Mercury	< LOQ	0,4	0,5
Ni	Nickel	< LOQ	0,4	5
Pb	Lead	< LOQ	0,4	0,7
Se	Selenium	< LOQ	0,4	2
Sb	Antimony	< LOQ	0,4	0,5
Sn	Organometallic tin	< LOQ	0,4	0,5
Zn	Zinc (soluble)	< LOQ	0,4	2000

TIL TEST & INNOVATION LAB S.r.l. with single shareholder company

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 of Florence - Tax ID and VAT code nr 07010880487

TEST REPORT N° 22/14666

pag. 11 di 12

Mod.018 Rev .2 del 19.10.2021

CE0073	<b>Tattoos Inks and PMU: determination of certain aromatic amines</b>
Test methods	<b>MIP_CE0073_rev0:2021 - ref. Reg. (EU) 2020/2081</b>

Rev. 0 del 06/04/2020

**Testing conditions** Amines classified as soluble: methanol extraction / others: buffer extraction with ref. to ISO 14362-1 / ISO 17234-1 and reductive cleavage  
**Testing equipment** GC-MSMS / LC-MSMS  
**Testing date** 28/04/2022

Sample identification	<b>3.GANGA BLACK. Brand: Dynamic Color.</b>
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SUBSTANCE	CAS N.	Quantification Limit (LOQ)	Result
<i>p</i> -Phenylenediamine (as soluble)	106-50-3	1 mg/kg	< LOQ
2,4,5-trimethylaniline (as soluble)	137-17-7 / 21436-97-5	1 mg/kg	< LOQ
2,4-xylidine	95-68-1	1 mg/kg	< LOQ
2,6-xylidine	87-62-7	1 mg/kg	< LOQ
2-naphtylamine (as soluble)	91-59-8 / 553-00-4	1 mg/kg	< LOQ
3,3'-dichlorobenzidine (as soluble)	91-94-1	1 mg/kg	< LOQ
4,4'-methylenedi-o-toluidine (as soluble)	838-88-0	1 mg/kg	< LOQ
3,3-dimethylbenzidine (as soluble)	119-93-7	1 mg/kg	< LOQ
3,3'-dimethoxybenzidine (as soluble)	119-90-4	1 mg/kg	< LOQ
4-methyl-m-phenylenediamine (as soluble)	95-80-7	1 mg/kg	< LOQ
4,4'-methylene-bis-(2-chloro-aniline) (as soluble)	101-14-4	1 mg/kg	< LOQ
4,4'-oxydianiline (as soluble)	101-80-4	1 mg/kg	< LOQ
4,4'-thiodianiline (as soluble)	139-65-1	1 mg/kg	< LOQ
4-aminobiphenyl (as soluble)	92-67-1	1 mg/kg	< LOQ
4-aminoazobenzene (as soluble)	60-09-3	1 mg/kg	< LOQ
4-chloroaniline (as soluble)	106-47-8	1 mg/kg	< LOQ
4-chloro-o-toluidine (as soluble)	95-69-2 / 3165-93-3	1 mg/kg	< LOQ
4,4'-diaminodiphenylmethane (as soluble)	101-77-9	1 mg/kg	< LOQ
4-methoxy-m-phenylenediamine (as soluble)	615-05-4 / 39156-41-7	1 mg/kg	< LOQ
5-nitro-o-toluidine (as soluble)	99-55-8	1 mg/kg	< LOQ
Aniline (as soluble)	62-53-3	1 mg/kg	< LOQ
benzidine (as soluble)	92-87-5	1 mg/kg	< LOQ
o-aminoazotoluene (as soluble)	97-56-3	1 mg/kg	< LOQ
o-anisidine (as soluble)	90-04-0	1 mg/kg	< LOQ
o-toluidine (as soluble)	95-53-4	1 mg/kg	< LOQ
<i>p</i> -cresidine (as soluble)	120-71-8	1 mg/kg	< LOQ
4-amino-3-fluorophenol (as soluble)	399-95-1	1 mg/kg	< LOQ
6-amino-2-ethoxynaphthalene	293733-21-8	1 mg/kg	< LOQ
2-methyl- <i>p</i> -phenylenediamine (as soluble)	95-70-5	1 mg/kg	< LOQ
sulfanilic acid (as soluble)	121-57-3	1 mg/kg	< LOQ
<i>p</i> -Toluidine (as soluble)	106-49-0	1 mg/kg	< LOQ

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**TEST REPORT N° 22/14666**

**pag. 12 di 12**

Mod.018 Rev .2 del 19.10.2021

CE0082	<b>Tattoo Inks, PMU and polymers: Determination of Polycyclic Aromatic Hydrocarbon</b>
Test methods	<b>AfPS GS 2019:01</b>

Rev. 0 del 06/04/2020

Testing conditions organic solvent extraction - ultrasonic bath  
 Testing equipment GC-MSMS  
 Testing date 29/04/2022

Sample identification	<b>3.GANGA BLACK. Brand: Dynamic Color.</b>
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SUBSTANCE	CAS N.	Quantification Limit (LOQ)	Result
Naphtalene	91-20-3	0,05 mg/kg	< LOQ
Acenaphthylene	208-96-8	0,05 mg/kg	< LOQ
Acenaftene	83-32-9	0,05 mg/kg	< LOQ
Fluorene	86-73-7	0,05 mg/kg	< LOQ
Phenanthrene	85-01-8	0,05 mg/kg	< LOQ
Anthracene	120-12-7	0,05 mg/kg	< LOQ
Fluoranthene	206-44-0	0,05 mg/kg	< LOQ
Pyrene	129-00-0	0,05 mg/kg	< LOQ
Crysene	218-01-9	0,05 mg/kg	< LOQ
Benzo(a)Anthracene	56-55-3	0,05 mg/kg	< LOQ
Benzo[b]fluoranthene	205-99-2	0,05 mg/kg	< LOQ
Benzo[k]Fluoranthene	207-08-9	0,05 mg/kg	< LOQ
Benzo[e]Pyrene	192-97-2	0,05 mg/kg	< LOQ
Benzo(a)Pyrene	50-32-8	0,005 mg/kg	< LOQ
Perylene	198-55-0	0,05 mg/kg	< LOQ
Indeno(1,2,3-cd)Pyrene	193-39-5	0,05 mg/kg	< LOQ
Dibenzo(a,h) Anthracene	53-70-3	0,05 mg/kg	< LOQ
Benzo(g,h,i)Perylene	191-24-2	0,05 mg/kg	< LOQ
Dibenzo(a,l)Pyrene	191-30-0	0,05 mg/kg	< LOQ
Dibenzo(a,e)Pyrene	192-65-4	0,05 mg/kg	< LOQ
Dibenzo(a,i)Pyrene	189-55-9	0,05 mg/kg	< LOQ
Dibenzo(a,h)Pyrene	189-64-0	0,05 mg/kg	< LOQ
Benzo[j]fluoranthene	205-82-3	0,05 mg/kg	< LOQ
Total amount			< LOQ

End of Test Report

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