

Report No.: 158267386a 001

Page 1 of 21

Client: CRAZE GMBH

Contact Information: Herrenstrasse 9 , 76133 Karlsruhe , Germany

Test item(s): Cosmetic

Identification/ Surprise Unicorn 100G

Model No(s): Item no.: HKT46

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2023-02-24, 2023-03-30

Testing Period: 2023-03-02 to 2023-04-11

Place of testing: Chemical laboratory Hong Kong

Test Specification:

Please refer to "Test Result Summary List" on page 2 for details

Other information:

Test scope and critical parameters are selected by the client.

For and on behalf of
TÜV Rheinland Hong Kong Ltd.

2023-04-18


Amenda Yung / Senior CS Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.

This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

Test Result Summary :***Test Specification:***

- 1 Heavy Metals Content
- Sb, As, Pb, Cd, Hg, Ni (Soluble)
- 2 Aromatic Amines (Azo Dyes) Content
- 3 Screening of Forbidden and Selected Colourants
- 4 Allergenic Perfume Compounds
- 5 Nitro-Musk Compounds
- 6 Poly-Musk Compounds
- 7 Phthalates Content
- 8 Preservatives Content
- 9 1,4-Dioxane Content
- 10 Diethylene glycol (DEG) and Ethylene glycol Content

Test result:

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

Test Report No.: 158267386a 001

Page 3 of 21

Material List:

Item: Surprise Unicorn 100G

Item no.: HKT46

Material No.	Material	Color	Location
M001	Powder	Pink	Bath ball
M001-1	Powder	Pink	Bath ball
M002	Powder	Purple	Bath ball
M002-1	Powder	Purple	Bath ball

Test Report No.: 158267386a 001

Page 4 of 21

1. Heavy Metals Content
Test Method: Acid digestion, analyzed by ICP-MS

Test Result:

Test No.				T001
Material No.				M001
Test Parameter	Unit	RL	Reference Limit	Test Result
Total Antimony (Sb)	mg/kg	0.2	< 0.5	< RL
Total Arsenic (As)	mg/kg	0.2	< 0.5	< RL
Total Lead (Pb)	mg/kg	0.2	< 2	< RL
Total Cadmium (Cd)	mg/kg	0.05	< 0.1	< RL
Total Mercury (Hg)	mg/kg	0.05	< 0.1	< RL
Total Nickel (Ni) ***	mg/kg	5.0	--	< RL
Soluble Nickel (Ni)	mg/kg	2.5	< 10	-

Test No.				T002
Material No.				M002
Test Parameter	Unit	RL	Reference Limit	Test Result
Total Antimony (Sb)	mg/kg	0.2	< 0.5	< RL
Total Arsenic (As)	mg/kg	0.2	< 0.5	< RL
Total Lead (Pb)	mg/kg	0.2	< 2	< RL
Total Cadmium (Cd)	mg/kg	0.05	< 0.1	< RL
Total Mercury (Hg)	mg/kg	0.05	< 0.1	< RL
Total Nickel (Ni) ***	mg/kg	5.0	--	< RL
Soluble Nickel (Ni)	mg/kg	2.5	< 10	-

Abbreviation: RL = Reporting Limit
 mg/kg = Milligram per kilogram
 < = Less than

Remark:

* As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex II) - listed as substances prohibited in cosmetic products.
 The limits are with reference to the values by Federal Institute for Consumer Protection and Food Safety (BVL) and German Federal Health Office (BGA).

*** Total content of nickel is performed. If the result is positive, nickel (soluble) will be conducted, by extraction with artificial sweat and ICP-OES analysis.

Test Report No.: 158267386a 001

Page 5 of 21

2. Aromatic Amines (Azo Dyes) Content

Test Method: Determination of certain aromatic amines derived from azo colorant - EN ISO 14362-1:2017

Test Result:

ID	Test Parameter	CAS No.	Unit	RL	Test No.	T001	T002
					Material No.	M001	M002
						Result	Result
A1	biphenyl-4-ylamine / 4-aminobiphenyl / xenylamine	92-67-1	mg/kg	5		< RL	< RL
A2	benzidine	92-87-5	mg/kg	5		< RL	< RL
A3	4-chloro-o-toluidine	95-69-2	mg/kg	5		< RL	< RL
A4	2-naphthylamine	91-59-8	mg/kg	5		< RL	< RL
A5	o-aminoazotoluene / 4-amino-2',3'-dimethylazobenzene / 4-o-tolylazo-o-toluidine	97-56-3	mg/kg	5		< RL	< RL
A6	5-nitro-o-toluidine	99-55-8	mg/kg	5		< RL	< RL
A7	4-chloroaniline	106-47-8	mg/kg	5		< RL	< RL
A8	4-methoxy-m-phenylenediamine	615-05-4	mg/kg	5		< RL	< RL
A9	4,4'-methylenedianiline / 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5		< RL	< RL
A10	3,3'-dichlorobenzidine / 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5		< RL	< RL
A11	3,3'-dimethoxybenzidine	119-90-4	mg/kg	5		< RL	< RL
A12	3,3'-dimethylbenzidine / 4,4'-bi-o-toluidine	119-93-7	mg/kg	5		< RL	< RL
A13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5		< RL	< RL
A14	p-cresidine	120-71-8	mg/kg	5		< RL	< RL
A15	4,4'-methylene-bis-(2-chloro-aniline) / 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5		< RL	< RL
A16	4,4'-oxydianiline	101-80-4	mg/kg	5		< RL	< RL
A17	4,4'-thiodianiline	139-65-1	mg/kg	5		< RL	< RL
A18	o-toluidine / 2-aminotoluene	95-53-4	mg/kg	5		< RL	< RL
A19	4-methyl-m-phenylenediamine	95-80-7	mg/kg	5		< RL	< RL
A20	2,4,5-trimethylaniline	137-17-7	mg/kg	5		< RL	< RL
A21	o-anisidine / 2-methoxyaniline	90-04-0	mg/kg	5		< RL	< RL
A22	4-aminoazobenzene	60-09-03	mg/kg	5		< RL	< RL
A23	2,4-Xylidine	95-68-1	mg/kg	5		< RL	< RL
A24	2,6-Xylidine	87-62-7	mg/kg	5		< RL	< RL

Abbreviation: n.d. = Not detected (< Reporting Limit)
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Test Report No.: 158267386a 001

Page 6 of 21

Remark:

- * As per EU cosmetic Regulation (EC) No 1223/2009 (Annex II) - the selected aromatic amines are listed as substances prohibited in cosmetic products, with the exception of the banned hair dye.

Test Report No.: 158267386a 001

Page 7 of 21

3. Screening of Forbidden Colourants

Test Method: The sample is dissolved by methanol / THF and extracted by citrate buffered TBAH solution. Colorants are determined by HPLC-DAD. Positive results may be confirmed by alternative HPLC methods (e.g. LC-MS/MS or HPLC-TOFMS).

Test Result:

				Test No.	T003	T004
				Material No.	M001-1	M002-1
No.	Test Parameter	CAS no.	Unit	Result	Result	Result
C1	Disperse Yellow 3	2832-40-8	mg/kg	< 20	< 20	< 20
C2	Sudan I	842-07-9	mg/kg	< 20	< 20	< 20
C3	Permanent Orange 5	3468-63-1	mg/kg	< 20	< 20	< 20
C4	Sudan II	3118-97-6	mg/kg	< 20	< 20	< 20
C5	Sudan Red G	1229-55-6	mg/kg	< 20	< 20	< 20
C6	Acid Yellow 36 / Metanil Yellow	587-98-4	mg/kg	< 20	< 20	< 20
C7	Pigment Red 53	2092-56-0/ 5160-02-1	mg/kg	< 20	< 20	< 20
C8	Acid Orange 24	1320-07-6	mg/kg	< 20	< 20	< 20
C9	Sudan IV	85-83-6	mg/kg	< 20	< 20	< 20
C10	Acid Red 73	5413-75-2	mg/kg	< 20	< 20	< 20
C11	Basic Violet 1	8004-87-3	mg/kg	< 20	< 20	< 20
C12	Basic Violet 3	548-62-9	mg/kg	< 20	< 20	< 20
C13	Acid Violet 49	1694-09-3	mg/kg	< 20	< 20	< 20
C14	Rhodamine B	81-88-9	mg/kg	< 20	< 20	< 20
C15	Disperse Red 15	116-85-8	mg/kg	< 20	< 20	< 20
C16	Sudan Blue II / Solvent Blue 35	17354-14-2	mg/kg	< 20	< 20	< 20
C17	Disperse Blue 1	2475-45-8	mg/kg	< 20	< 20	< 20
C18	Natural Red 25	60687-93-6	mg/kg	< 20	< 20	< 20
C19	Basic Red 9	569-61-9	mg/kg	< 20	< 20	< 20
C20	HC Red 16	160219-76-1	mg/kg	< 20	< 20	< 20
C21	Congo Red	573-58-0	mg/kg	< 20	< 20	< 20
C22	Sudan Red B	3176-79-2	mg/kg	< 20	< 20	< 20
C23	Solvent Yellow 2	60-11-7	mg/kg	< 20	< 20	< 20
C24	Solvent Yellow 3	97-56-3	mg/kg	< 20	< 20	< 20
C25	Disperse Blue 3	2475-46-9	mg/kg	< 20	< 20	< 20
C26	Disperse Orange 3	730-40-5	mg/kg	< 20	< 20	< 20
C27	Pigment Red 31	6448-96-0	mg/kg	< 20	< 20	< 20
C28	Solvent Blue 36	14233-37-5	mg/kg	< 20	< 20	< 20

Abbreviation: mg/kg= Milligram per kilogram
 < = Less than
 > = More than

Remark:

* As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex IV) – the selected substances are not listed as colourants allowed in cosmetic products, with the exception of the banned hair dye.

Test Report No.: 158267386a 001

Page 8 of 21

Screening of Selected Colourants

Test method: The sample is dissolved by methanol / THF and extracted by citrate buffered TBAH solution. Colorants are determined by HPLC-DAD. Positive results may be confirmed by alternative HPLC methods (e.g. LC-MS/MS or HPLC-TOFMS)

No.	Test Parameter	CAS no.	Unit	Test No.	T003	T004
				Material No.	M001-1	M002-1
				Result	Result	Result
S1	Pigment Yellow 1	2512-29-0	mg/kg	< 20	< 20	< 20
S2	Pigment Yellow 3	6486-23-3	mg/kg	< 20	< 20	< 20
S3	Pigment Red 3	2425-85-6	mg/kg	< 20	< 20	< 20
S4	Pigment Red 5	6410-41-9	mg/kg	< 20	< 20	< 20
S5	Solvent Yellow 16	4314-14-1	mg/kg	< 20	< 20	< 20
S6	Orange II salt	633-96-5	mg/kg	< 20	< 20	< 20
S7	Pigment Red 57:1	5281-04-9	mg/kg	< 20	< 20	< 20
S8	Pigment Red 63:1	6417-83-0	mg/kg	< 20	< 20	< 20
S9	Pigment Red 48:2	7023-61-2	mg/kg	< 20	< 20	< 20
S10	Sunset Yellow / Gelborange S	2783-94-0	mg/kg	< 20	< 20	< 20
S11	Allura Red AC	25956-17-6	mg/kg	< 20	< 20	< 20
S12	Orange G / Acid Orange 10	1936-15-8	mg/kg	< 20	< 20	< 20
S13	Acid Red 18 (E124)	2611-82-7	mg/kg	< 20	< 20	< 20
S14	Acid Red 33	3567-66-6	mg/kg	< 20	< 20	< 20
S15	Acid Yellow 23 / Tartrazin	1934-21-0	mg/kg	< 20	< 20	< 20
S16	Acid Blue 1	129-17-9	mg/kg	< 20	< 20	< 20
S17	Patent Blue V / Food Blue 5:2	3536-49-0	mg/kg	< 20	< 20	< 20
S18	Acid Blue 9/ Erioglaucine disodium salt	3844-45-9	mg/kg	< 20	< 20	< 20
S19	Acid Red 52	3520-42-1	mg/kg	< 20	< 20	< 20
S20	Rhodamine 6G	989-38-8	mg/kg	< 20	< 20	< 20
S21	Acid Red 87 / Eosin-Na-salt	17372-87-1	mg/kg	< 20	< 20	< 20
S22	Solvent Red 48 / Acid Red 92	13473-26-2/ 18472-87-2	mg/kg	< 20	< 20	< 20
S23	Quinoline Yellow / Chinolinglb	8004-92-0	mg/kg	< 20	< 20	< 20
S24	Acid Blue 80	4474-24-2	mg/kg	< 20	< 20	< 20
S25	Acid Red 27	915-67-3	mg/kg	< 20	< 20	< 20
S26	Acid Yellow 1	846-70-8	mg/kg	< 20	< 20	< 20
S27	Carminic Acid	1260-17-9	mg/kg	< 20	< 20	< 20
S28	Acid Violet 43	4430-18-6	mg/kg	< 20	< 20	< 20
S29	Acid Blue 62	4368-56-3	mg/kg	< 20	< 20	< 20

Abbreviations: mg/kg = Milligram per kilogram
 < = Less than

Remark:

- *1 The selection of test parameter is based on the typically used colourant labelled according to the provided ingredient list. Additional colourant that may possibly contain is not considered.

Test Report No.: 158267386a 001

Page 9 of 21

4. Allergenic Perfume Compounds

Test Method: In-house method of determination of perfume allergenic compounds in cosmetics by GC-MS and LC-MS/MS.

Test Result:

Test No.				T001	T002
Material No.				M001	M002
Test Parameter	Unit	RL	Requirements	Result	Result
Amyl cinnamal	mg/kg	5	100	< RL	< RL
Benzyl alcohol	mg/kg	5	100	< RL	< RL
Cinnamyl alcohol	mg/kg	5	100	< RL	< RL
Citral	mg/kg	5	100	< RL	< RL
Eugenol	mg/kg	5	100	< RL	< RL
Hydroxy-citronellal	mg/kg	5	10000	< RL	< RL
Isoeugenol	mg/kg	5	200	< RL	< RL
Amylcinnamyl alcohol	mg/kg	5	100	< RL	< RL
Benzyl salicylate	mg/kg	5	100	< RL	< RL
Cinnamal	mg/kg	5	100	< RL	< RL
Coumarin	mg/kg	5	100	< RL	< RL
Geraniol	mg/kg	5	100	< RL	< RL
Hydroxy-methylpentylcyclohexene-carboxaldehyde **	mg/kg	5	n.d.	< RL	< RL
Anisyl alcohol	mg/kg	5	100	< RL	< RL
Benzyl cinnamate	mg/kg	5	100	< RL	< RL
Farnesol	mg/kg	5	100	< RL	< RL
2-(4-tert-Butylbenzyl) propionaldehyde**	mg/kg	5	n.d.	< RL	< RL
Linalool	mg/kg	5	100	< RL	< RL
Benzyl benzoate	mg/kg	5	100	< RL	< RL
Citronellol	mg/kg	5	100	< RL	< RL
Hexyl cinnamaldehyde	mg/kg	5	100	< RL	< RL
d-Limonene	mg/kg	5	100	< RL	< RL
Methyl heptin carbonate	mg/kg	5	100	< RL	< RL
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	mg/kg	5	100	< RL	< RL
Atranol **	mg/kg	5	n.d.	< RL	< RL
Chloroatranol **	mg/kg	5	n.d.	< RL	< RL
Oak moss extract	mg/kg	100	100	< RL	< RL
Treemoss extract	mg/kg	100	100	< RL	< RL

Abbreviation: n.d.= Not detected (< Reporting Limit)

RL = Reporting Limit

mg/kg = Milligram per kilogram

< = Less than

Remark:

- * As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex III) - allergenic perfume compound must be indicated in the ingredient list on the product label if it exceeds 0.001% (10 mg/kg) for leave-on product and 0.01% (100 mg/kg) for rinse-off products.
- ** As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex II) - listed as substances prohibited in cosmetic products.
- *1 As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex III) – the maximum concentration is 1.0% in products other than oral products.

Test Report No.: 158267386a 001

Page 10 of 21

- *2 As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex III) – the maximum concentration is 0.02% in products other than oral products.
- *3 As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex III) – the maximum concentration is 0.01% in products other than oral products when used alone. In combination with methyl octine carbonate, the combined level in the finished product other than oral products shall not exceed 0.01% (of which methyl octine carbonate shall not be more than 0.002%)
- *4 According to the declaration and documents submitted by client, the presence of this substance in the product will not exceed 10 mg/kg (0.001%).

Test Report No.: 158267386a 001

Page 11 of 21

5.Nitro-Musk Compounds
Test Method: In-house method - Determination of nitro-musk compounds in cosmetics by GC-MS.

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M001	Musk-Ambrette (MA)*	mg/kg	1	< RL
		Musk-Tibetene (MT)*	mg/kg	1	< RL
		Musk-Moskene (MM)*	mg/kg	1	< RL
		Musk-Ketone (MK)**	mg/kg	1	< RL
		Musk-Xylene (MX)**	mg/kg	1	< RL
T002	M002	Musk-Ambrette (MA)*	mg/kg	1	< RL
		Musk-Tibetene (MT)*	mg/kg	1	< RL
		Musk-Moskene (MM)*	mg/kg	1	< RL
		Musk-Ketone (MK)**	mg/kg	1	< RL
		Musk-Xylene (MX)**	mg/kg	1	< RL

Abbreviation: n.d.= Not detected (< Reporting Limit)

RL= Reporting Limit

mg/kg= Milligram per kilogram

<= Less than

Test Report No.: 158267386a 001

Page 12 of 21

Remark:

- * As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex II) - listed as substances prohibited in cosmetic products.
- ** As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex III) - listed as substances which must not contain except subject to the restrictions laid down.

Parameter	Limit (mg/kg)
Musk-Ketone	(a) ≤ 14000 in fine fragrance (b) ≤ 5600 in eau de toilette (c) ≤ 420 in other products
Musk-Xylene	(a) ≤ 10000 in fine fragrance (b) ≤ 4000 in eau de toilette (c) ≤ 300 in other products

Abbreviation:

mg/kg = Milligram per kilogram

 \leq = Less than or equal to

Test Report No.: 158267386a 001

Page 13 of 21

6.Poly-Musk Compounds
Test Method: In house method - Determination of poly-musk compounds in cosmetics by GC-MS.

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M001	Tonalide (AHTN)	mg/kg	1	< RL
		Phantolide (AHMI)	mg/kg	1	< RL
T002	M002	Tonalide (AHTN)	mg/kg	1	< RL
		Phantolide (AHMI)	mg/kg	1	< RL

Abbreviation: n.d.= Not detected (<RL)
 RL= Reporting Limit
 mg/kg= Milligram per kilogram
 <= Less than

Remark:

* As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex III) - listed as substances which must not contain except subject to the restrictions laid down.

Parameter	Limit (mg/kg)
Tonalide (AHTN)	(a) ≤ 1000 in leave-on products, except ≤ 10000 hydroalcoholic products ≤ 25000 in fine fragrance ≤ 5000 in fragrance cream (b) ≤ 2000 in rinse-off products
Phantolide (AHMI)	≤ 20000 in leave-on products

Abbreviation:
 mg/kg = Milligram per kilogram
 ≤ = Less than or equal to

Test Report No.: 158267386a 001

Page 14 of 21

7. Phthalates Content

Test Method: In-house method of determination of phthalates in cosmetics by GC-MS after extraction with organic solvent.

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M001	Benzylbutyl phthalate (BBP)	mg/kg	5	< RL
		Dibutyl phthalate (DBP)	mg/kg	5	< RL
		Di-(2-ethylhexyl) phthalate (DEHP)	mg/kg	5	< RL
		Sum (DEHP+DBP+BBP)	mg/kg	50	< RL
		Bis-(2-methoxyethyl) phthalate (DMEP)	mg/kg	5	< RL
		Di-n-pentylphthalate (DnPP) Diisopentylphthalate (DiPP) n-Pentyl-iso-pentylphthalate (PiPP)	mg/kg	5	< RL
		Di-iso-butyl Phthalate (DIBP)	mg/kg	1	< RL
		Di-n-hexyl phthalate(DnHP)	mg/kg	1	< RL
		Di-cyclohexyl phthalate (DCHP)	mg/kg	1	< RL
		Di(methoxyethyl) phthalate (DMEP)	mg/kg	1	< RL
		Diisohexyl phthalate (DIHxP)	mg/kg	1	< RL
		Diisooctyl Phthalate	mg/kg	1	< RL
		1,2-Benzene dicarboxylic acid, dipentylester, branched and linear	mg/kg	1	< RL
		n-Pentyl-isopentyl phthalate	mg/kg	1	< RL
		Di-n-pentyl phthalate (DNPP)	mg/kg	1	< RL
		Diisopentyl phthalate (DiPP)	mg/kg	1	< RL

Test Report No.: 158267386a 001

Page 15 of 21

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T002	M002	Benzylbutyl phthalate (BBP)	mg/kg	5	< RL
		Dibutyl phthalate (DBP)	mg/kg	5	< RL
		Di-(2-ethylhexyl) phthalate (DEHP)	mg/kg	5	< RL
		Sum (DEHP+DBP+BBP)	mg/kg	50	< RL
		Bis-(2-methoxyethyl) phthalate (DMEP)	mg/kg	5	< RL
		Di-n-pentylphthalate (DnPP) Diisopentylphthalate (DiPP) n-Pentyl-iso-pentylphthalate (PiPP)	mg/kg	5	< RL
		Di-iso-butyl Phthalate (DIBP)	mg/kg	1	< RL
		Di-n-hexyl phthalate(DnHP)	mg/kg	1	< RL
		Di-cyclohexyl phthalate (DCHP)	mg/kg	1	< RL
		Di(methoxyethyl) phthalate (DMEP)	mg/kg	1	< RL
		Diisohexyl phthalate (DIHxP)	mg/kg	1	< RL
		Diisooctyl Phthalate	mg/kg	1	< RL
		1,2-Benzene dicarboxylic acid, dipentylester, branched and linear	mg/kg	1	< RL
		n-Pentyl-isopentyl phthalate	mg/kg	1	< RL
		Di-n-pentyl phthalate (DNPP)	mg/kg	1	< RL
		Diisopentyl phthalate (DiPP)	mg/kg	1	< RL

Accreditation: RL= Reporting Limit
 mg/kg= Milligram per kilogram
 <= Less than

Remark:

* As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex II) - listed as substances prohibited in cosmetic products.

Test Report No.: 158267386a 001

Page 16 of 21

8.Preservatives Content
Test Method: Solvent extraction, LC-MSMS analysis

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Requirements	Test Result
T001	M001	Methylparaben ^a	%	0.005	0.4	<0.005
		Ethylparaben ^a	%	0.005	0.4	<0.005
		Propylparaben ^b	%	0.005	--	<0.005
		Butylparaben ^b	%	0.01	--	<0.01
		Sum of Propylparaben and Butylparaben ^b	%	0.01	0.01	<0.01
		Isopropylparaben ^c	%	0.005	n.d.	<0.005
		Isobutylparaben ^c	%	0.005	n.d.	<0.005
		Pentylparaben ^c	%	0.01	n.d.	<0.01
		Phenylparaben ^c	%	0.01	n.d.	<0.01
		Benzylparaben ^c	%	0.01	n.d.	<0.01
		Salicylic acid ^d	%	0.01	0.5	<0.01
		Benzoic acid ^e	%	0.01	2.5	<0.01
		Sorbic acid ^f	%	0.01	0.6	<0.01
		Dehydroacetic acid ^g	%	0.01	0.6	<0.01
		Benzyl alcohol ^h	%	0.01	1.0	<0.01
		1-phenoxypropan-2-ol ⁱ	%	0.01	1.0	<0.01
		2-phenoxyethanol ^h	%	0.01	1.0	<0.01
		4-Hydroxybenzoic acid ^a	%	0.01	0.4	<0.01
		Anisic acid ^j	%	0.01	n.d.	<0.01
		Iodopropynyl butylcarbamate ^k	%	0.001	0.02	<0.001

Test Report No.: 158267386a 001

Page 17 of 21

Test No.	Material No.	Test Parameter	Unit	RL	Requirements	Test Result
T002	M002	Methylparaben ^a	%	0.005	0.4	<0.005
		Ethylparaben ^a	%	0.005	0.4	<0.005
		Propylparaben ^b	%	0.005	--	<0.005
		Butylparaben ^b	%	0.01	--	<0.01
		Sum of Propylparaben and Butylparaben ^b	%	0.01	0.01	<0.01
		Isopropylparaben ^c	%	0.005	n.d.	<0.005
		Isobutylparaben ^c	%	0.005	n.d.	<0.005
		Pentylparaben ^c	%	0.01	n.d.	<0.01
		Phenylparaben ^c	%	0.01	n.d.	<0.01
		Benzylparaben ^c	%	0.01	n.d.	<0.01
		Salicylic acid ^d	%	0.01	0.5	<0.01
		Benzoic acid ^e	%	0.01	2.5	<0.01
		Sorbic acid ^f	%	0.01	0.6	<0.01
		Dehydroacetic acid ^g	%	0.01	0.6	<0.01
		Benzyl alcohol ^h	%	0.01	1.0	<0.01
		1-phenoxypropan-2-ol ⁱ	%	0.01	1.0	<0.01
		2-phenoxyethanol ^h	%	0.01	1.0	<0.01
		4-Hydroxybenzoic acid ^a	%	0.01	0.4	<0.01
		Anisic acid ^j	%	0.01	n.d.	<0.01
		Iodopropynyl butylcarbamate ^k	%	0.001	0.02	<0.001

Abbreviation: n.d.= Not detected (<RL)
 RL= Reporting Limit
 %= Percentage
 <= Less than

Remark:

- a As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) - maximum limit is 0.4% (as acid) for one ester, 0.8% (as acid) for mixture of esters.
- b As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) – maximum limit is 0.14% (as acid) for the sum of the individual concentrations of butylparaben and propylparaben.
 Other limitation and requirements:
 - Not to be used in leave-on products designed for application on the nappy area of children under three years of age. Wording of conditions of use and warnings for leave-on product designed for children under three years of age: "Do not use on the nappy area"
- c As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex II) - listed as substances prohibited in cosmetic products.
- d As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) - maximum limit is 0.5% (acid). Not to be used in preparations for children under three years of age, except for shampoo.
- e As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) - maximum limit for rinse-off products (except oral care products) is 2.5% (acid); oral care products is 1.7% (acid) and leave-on products is 0.5% (acid).

Test Report No.: 158267386a 001

Page 18 of 21

- f As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) - maximum limit is 0.6% (acid).
- g As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) - maximum limit is 0.6% (acid).
Not to be used in aerosol dispensers (sprays).
- h As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) - maximum limit is 1.0%.
- i As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) - maximum limit is 1.0%. Only
for rinse-off products.
- j As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) - not listed as preservatives
allowed in cosmetic product.
- k As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex V) – maximum limit for rinse-off
product is 0.02%; leave-on product is 0.01% and deodorants/antiperspirant is 0.0075%.
Other limitation and requirements:
- Not to be used in oral hygiene and lip products.
- For rinse-off products, not to be used in products for children under three years of age except
in bath products/shower gels and shampoos.
- For leave-on products, not to be used in body lotion and body cream.
For leave-on products and deodorants/antiperspirants, not to be used in products for children
under three years of age.

Test Report No.: 158267386a 001

Page 19 of 21

9.1,4-Dioxane Content**Test Method:** Head Space (condition: 90°C, 30 min), GC-MS analysis**Test Result:**

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M001	1,4-Dioxane	mg/kg	1	< RL
T002	M002	1,4-Dioxane	mg/kg	1	< RL

Abbreviation: RL= Reporting Limit
mg/kg= Milligram per kilogram
<= Less than

Remark:

- * As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex II) - listed as substances prohibited in cosmetic products.
- ** With reference to the BfR recommendation (Opinion issued on 14 May 2013) - the technically unavoidable levels should be 5 mg/kg.

Test Report No.: 158267386a 001

Page 20 of 21

10. Diethylene glycol (DEG) and Ethylene glycol Content**Test Method:** Organic solvent extraction, GC-MS analysis.**Test Result:**

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M001	Diethylene glycol*	mg/kg	10	1000	< RL
		Ethylene glycol	mg/kg	100	--	< RL
T002	M002	Diethylene glycol*	mg/kg	10	1000	< RL
		Ethylene glycol	mg/kg	100	--	< RL

Abbreviation: RL = Reporting Limit
mg/kg = Milligram per kilogram
< = Less than

Remark:

- * As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex II) - listed as substances prohibited in cosmetic products.
As per EU Cosmetic Regulation (EC) No 1223/2009 (Annex III) - the maximum concentration is 0.1% (1000 mg/kg) as traces in ingredients.

Test Report No.: 158267386a 001

Page 21 of 21

Sample Photo



- END -

arbitration fee shall be borne by the losing party.