

Certificate Of Analysis

KITCHEN TOOL SET 4PCS HB COLOU



Report number 170483090-027216-1

Print date: 2022-02-28

Applicant: Koopman International
Country: The Netherlands
Article description: KITCHEN TOOL SET 4PCS HB COLOU
Item number: 170483090
Order number: 027216
Date of article received: februari 11, 2022
Testing Completed:
EAN code: 8719987866913

Conclusion : Passed

The test results only apply to the tested specimens

Signed for and on behalf of Koopman International B.V.


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Chemist & Technologist.

Koopman International BV has a verified Bureau Veritas procedure of Laboratory Testing and a Bureau Veritas verification of REACH compliance. The test itself and the associated report is reviewed by Koopman International BV.





Summary of tested parts.

Part(s) description:

blue food brush

grey spatula

blue spatula

(The test results for the above part(s) are found at the next pages)

Type of material:

SILICONE

SILICONE

SILICONE





Result	Units	Spec rule	Min	Max
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Part description: blue food brush**VOM (Volatile Organic Matter)**

according to: Food Contact Materials. XV. Silicones - German legislation on Food Contact Materials

testing conditions: 4 hours 200°C

VOM	0.14	%	Result <= MAX		0,5
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SCCP, Chloroparaffins

according to: Regulation (EC) 2019/1021 – Persistent Organic Pollutants (POP) on SCCP

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Chloroparaffins total	0		Result < MAX		1500
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PCN

according to: Regulation (EC) 2019/1021 – Persistent Organic Pollutants (POP) on PCN.

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Halowax 1000 mono PCN	Not detected		Result < MAX		0,1
Halowax 1000 di PCN	Not detected		Result < MAX		0,1
Halowax 1001 tri PCN	Not detected		Result < MAX		0,1
Halowax 1013 tetra PCN	Not detected		Result < MAX		0,1
Halowax 1014 penta PCN	Not detected		Result < MAX		0,1
Halowax 1014 hexa PCN	Not detected		Result < MAX		0,1
Halowax 1051 hepta PCN	Not detected		Result < MAX		0,1
Halowax 1051 octa PCN	Not detected		Result < MAX		0,1

OCP & DMF

according to: Reach 1907/2006 Annex XVII, entry 61 on DMF

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

DMF (DIMETHYLFUMARATE)	Not detected		Result < MAX		0.1
a BHC	Not detected		Result < MAX		1.0
Hexachlorobenzene	Not detected		Result < MAX		1.0
d BHC	Not detected		Result < MAX		1.0
b BHC	Not detected		Result < MAX		1.0



	Result	Units	Spec rule	Min	Max
g BHC	Not detected		Result < MAX		1.0
Heptachlor epoxide A	Not detected		Result < MAX		1.0
Heptachlor epoxide B	Not detected		Result < MAX		1.0
Heptachlor	Not detected		Result < MAX		1.0
Aldrin	Not detected		Result < MAX		1.0
Isodrin	Not detected		Result < MAX		1.0
Endrin	Not detected		Result < MAX		1.0
Endosulfan I	Not detected		Result < MAX		1.0
Endosulfan II	Not detected		Result < MAX		1.0
44 DDE	Not detected		Result < MAX		1,0
Dieldrin	Not detected		Result < MAX		1.0
44 DDD	Not Analyzed		Result < MAX		1,0
44 DDT	Not detected		Result < MAX		1,0
Endosulfan Sulfate	Not detected		Result < MAX		1,0
Methoxychlor	Not detected		Result < MAX		1.0
Mirex	Not detected		Result < MAX		1.0
Hexachloro-1-3-butadiene	Not detected		Result < MAX		1.0
Toxaphene	Not detected		Result < MAX		1.0
Kepone	Not detected		Result < MAX		1.0

PAH (15 ZEK - EPA)

according to: Geprüfte Sicherheit (GS) - AfPS-GS-2014-01 on PAH content (PAK)

testing conditions: AfPS GS 2014:01 PAK Category 1

Benzo a pyrene	Not detected		Result <= MAX		0.2
Benzo a anthracene	Not detected		Result <= MAX		0.2
Chrysene	Not detected		Result <= MAX		0.2
Benzo b fluoranthene	Not detected		Result <= MAX		0.2
Benzo k fluoranthene	Not detected		Result <= MAX		0.2
Dibenz ah anthracene	Not detected		Result <= MAX		0.2
Benzo j fluoranthene	Not detected		Result <= MAX		0.2
Benzo e pyrene	Not detected		Result <= MAX		0.2
Indeno 123cd pyrene	Not detected		Result <= MAX		0.2
Benzo ghi perylene	Not detected		Result <= MAX		0.2



	Result	Units	Spec rule	Min	Max
Acenaphthylene	Not detected		Result <= MAX		1000000
Acenaphthene	Not detected		Result <= MAX		1000000
Fluorene	Not detected		Result <= MAX		1000000
Phenanthrene	Not detected		Result <= MAX		1
Anthracene	Not detected		Result <= MAX		1
Fluoranthene	Not detected		Result <= MAX		1
Pyrene	Not detected		Result <= MAX		1
Naphthalene	Not detected		Result <= MAX		1
sum of 4 PAH	Not detected		Result <= MAX		1
sum of 15 PAH	Not detected		Result <= MAX		1
Anthracene oils and pastes	Not detected		Result <= MAX		1000000
Coal tar	Not detected		Result <= MAX		1000000

Phthalates

according to: Reach 1907/2006 art 33-57 on SVHC

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

DMP	0		Result <= MAX		1000000
DEP	0		Result <= MAX		1000000
DAP	0		Result <= MAX		1000000
DIBP	0		Result <= MAX		1000
DBP	0		Result <= MAX		1000
DMEP	0		Result <= MAX		1000000
DPP	0	ppm	Result <= MAX		1000000
DIPP	0		Result <= MAX		1000000
nPiPP	0		Result <= MAX		1000000
BBP	0		Result <= MAX		1000
DHP	0		Result <= MAX		1000000
DEEP	0		Result <= MAX		1000000
DEHP	0		Result <= MAX		1000
DIHP	0		Result <= MAX		1000000
DNOP	0		Result <= MAX		1000000
DINP	0		Result <= MAX		1000000
DIDP	0		Result <= MAX		1000000





	Result	Units	Spec rule	Min	Max
DIHxP	0		Result <= MAX		1000000
DHNUP	0		Result <= MAX		1000000

PCB

according to: POP COMMISSION REGULATION No EC 2019/1021

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Chlorobiphenyl	Not detected		Result <= MAX		1.0
Dichlorobiphenyl	Not detected		Result <= MAX		1.0
Trichlorobiphenyl	Not detected		Result <= MAX		1.0
Tetrachlorobiphenyl	Not detected		Result <= MAX		1.0
Pentachlorobiphenyl	Not detected		Result <= MAX		1.0
Hexachlorobiphenyl	Not detected		Result <= MAX		1.0
Heptachlorobiphenyl	Not detected		Result <= MAX		1.0
Octachlorobiphenyl	Not detected		Result <= MAX		1.0
Decachlorobiphenyl	Not detected		Result <= MAX		1.0

Formaldehyde by migration

according to: Resolution ResAP (2004) 5 on silicones

testing conditions: 3% acetic acid, 0.5 hours 70°C

Formaldehyde migration	0.0	ppm	Result <= MAX		15
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Metal migration from plastics

according to: Resolution ResAP (2004) 5 on silicones

testing conditions: 3% acetic acid, 0.5 hours 70°C

Al	0.01	mg/kg-simulant	Result <= MAX		1,0
Mn	0.00	mg/kg-simulant	Result <= MAX		0.6
Sn	0.0	mg/kg-simulant	Result <= MAX		0.02

SVHC

according to: Reach 1907/2006 art 33-57 on SVHC

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14





	Result	Units	Spec rule	Min	Max
2 Methoxy ethanol	Not detected		Result <= MAX		1000000
Methoxyacetic acid	Not detected		Result <= MAX		1000000
1,2-Dichloroethane	Not detected		Result <= MAX		1000000
N-methylacetamide	Not detected		Result <= MAX		1000000
NN-dimethylformamide	Not detected		Result <= MAX		1000000
Acrylamide	Not detected		Result <= MAX		1000000
2-ethoxyethyl acetate	Not detected		Result <= MAX		1000000
1-Bromopropane	Not detected		Result <= MAX		1000000
1,2,3-Trichloropropane	Not detected		Result <= MAX		1000000
Bis(2-methoxyethyl)ether	Not detected		Result <= MAX		1000000
Trichloro ethene	Not detected		Result <= MAX		1000000
2-Ethoxy ethanol	Not detected		Result <= MAX		1000000
TBTO	Not detected		Result <= MAX		1000000
TCEP	Not detected		Result <= MAX		1000000
DNT	Not detected		Result <= MAX		1000000
DINOSEB	Not detected		Result <= MAX		1000000
4-tert-Octylphenol	Not detected		Result <= MAX		1000000
Nonyl Phenol	Not detected		Result <= MAX		1000000
Musk Xylene	Not detected		Result <= MAX		1000000
o-Toluidine	Not detected		Result <= MAX		1000000
4,4'-MDA	Not detected		Result <= MAX		1000000
4-Aminobiphenyl	Not detected		Result <= MAX		1000000
p-Cresidine	Not detected		Result <= MAX		1000000
Benzenamine 4,4'-methylenebis-2-chloro-	Not detected		Result <= MAX		1000000
2,4-Diaminotoluene	Not detected		Result <= MAX		1000000
Phenylazoaniline	Not detected		Result <= MAX		1000000
4,4'-Methylenedi-o-toluidine	Not detected		Result <= MAX		1000000
4,4'-Oxydianiline	Not detected		Result <= MAX		1000000
o-Aminoazotoluene	Not detected		Result <= MAX		1000000
1,2-Cyclohexanedicarboxylic anhydride	Not detected		Result <= MAX		1000000
Hexahydro-4-methylphthalic anhydride	Not detected		Result <= MAX		1000000
Phenolphthalein	Not detected		Result <= MAX		1000000
Basic Violet 3	Not detected		Result <= MAX		1000000





	Result	Units	Spec rule	Min	Max
Victoria Blue 26	Not detected		Result <= MAX		1000000
TEGDME	Not detected		Result <= MAX		1000000
EGDME	Not detected		Result <= MAX		1000000
Michlers ketone	Not detected		Result <= MAX		1000000
Michlers base	Not detected		Result <= MAX		1000000
TGIC	Not detected		Result <= MAX		1000000
B-TGIC	Not detected		Result <= MAX		1000000
Direct red 28	Not detected		Result <= MAX		1000000
Direct black 38	Not detected		Result <= MAX		1000000
Trixylyl phosphate	Not detected		Result <= MAX		1000000
Formaldehyde oligomer reaction products	0	ppm	Result <= MAX		1000000
DBTDC	Not detected		Result <= MAX		1000000
12 Diethoxyethane	Not detected		Result <= MAX		1000000
Imidazolidine-2-thione	Not detected		Result <= MAX		1000000
UV-328	Not detected		Result <= MAX		1000000
Uvazol 237	Not detected		Result <= MAX		1000000
UV-350	Not detected		Result <= MAX		1000000
HBCDD total	Not detected		Result <= MAX		1000000
13 Propanesultone	Not detected		Result <= MAX		1000000
Dicyclohexyl phthalate	Not detected		Result <= MAX		1000000
Nitrobenzene	Not detected		Result <= MAX		1000000
Amber Dioxade Isomers	Not detected		Result <= MAX		1000000
Bisphenol A	Not detected		Result <= MAX		1000000
11 Dimethylpropylphenol	Not detected		Result <= MAX		1000000
4-tert-Amylphenol	Not detected		Result <= MAX		1000000
4-n-Heptylphenol	Not detected		Result <= MAX		1000000
Dechlorane Plus	Not detected		Result <= MAX		1000000
Terphenyl hydrogenated	Not detected		Result <= MAX		1000000
Ethylenediamine	Not detected		Result <= MAX		1000000
TMA	Not detected		Result <= MAX		1000000
4MBC	Not detected		Result <= MAX		1000000
3BC	Not detected		Result <= MAX		1000000
PTBP	Not detected		Result <= MAX		1000000





	Result	Units	Spec rule	Min	Max
MCCP	Not detected		Result <= MAX		1000000

Phenols

according to: POP EU/2019/1021 on PCP content.

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Octyl phenol	Not detected		Result <= MAX		1000000
Nonyl phenol	Not detected		Result <= MAX		1000000
Phenol, pentachloro- / PCP	Not detected		Result <= MAX		100

Heavy metals content

according to: Reach (EC) 1907/2006 - Annex XVII entry 20-21 on Organostannic, 23 on Cadmium, 62 on Mercury, 63 on Lead & Ban of products containing lead - BEK 856.

testing conditions: 111/54/CDV & IEC 62321 & NPR-CR 10299, measured with XRF

Cadmium	0	ppm	Result <= MAX		100
Lead	0	ppm	Result <= MAX		100
Mercury	0	ppm	Result <= MAX		100
Tin	9	ppm	Result <= MAX		1000000
Zinc	200	ppm	Result <= MAX		30000
Chlorine	0	ppm	Result <= MAX		10000

Part description: grey spatula**VOM (Volatile Organic Matter)**

according to: Food Contact Materials. XV. Silicones - German legislation on Food Contact Materials

testing conditions: 4 hours 200°C

VOM	0.12	%	Result <= MAX		0,5
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SCCP, Chloroparaffins

according to: Regulation (EC) 2019/1021 – Persistent Organic Pollutants (POP) on SCCP

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Chloroparaffins total	0		Result < MAX		1500
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	Result	Units	Spec rule	Min	Max
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PCN
 according to: Regulation (EC) 2019/1021 – Persistent Organic Pollutants (POP) on PCN.

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Halowax 1000 mono PCN	Not detected		Result < MAX		0,1
Halowax 1000 di PCN	Not detected		Result < MAX		0,1
Halowax 1001 tri PCN	Not detected		Result < MAX		0,1
Halowax 1013 tetra PCN	Not detected		Result < MAX		0,1
Halowax 1014 penta PCN	Not detected		Result < MAX		0,1
Halowax 1014 hexa PCN	Not detected		Result < MAX		0,1
Halowax 1051 hepta PCN	Not detected		Result < MAX		0,1
Halowax 1051 octa PCN	Not detected		Result < MAX		0,1

OCP & DMF
 according to: Reach 1907/2006 Annex XVII, entry 61 on DMF

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

DMF (DIMETHYLFUMARATE)	Not detected		Result < MAX		0.1
a BHC	Not detected		Result < MAX		1.0
Hexachlorobenzene	Not detected		Result < MAX		1.0
d BHC	Not detected		Result < MAX		1.0
b BHC	Not detected		Result < MAX		1.0
g BHC	Not detected		Result < MAX		1.0
Heptachlor epoxide A	Not detected		Result < MAX		1.0
Heptachlor epoxide B	Not detected		Result < MAX		1.0
Heptachlor	Not detected		Result < MAX		1.0
Aldrin	Not detected		Result < MAX		1.0
Isodrin	Not detected		Result < MAX		1.0
Endrin	Not detected		Result < MAX		1.0
Endosulfan I	Not detected		Result < MAX		1.0
Endosulfan II	Not detected		Result < MAX		1.0
44 DDE	Not detected		Result < MAX		1,0
Dieldrin	Not detected		Result < MAX		1.0
44 DDD	Not Analyzed		Result < MAX		1,0

	Result	Units	Spec rule	Min	Max
44 DDT	Not detected		Result < MAX		1,0
Endosulfan Sulfate	Not detected		Result < MAX		1,0
Methoxychlor	Not detected		Result < MAX		1.0
Mirex	Not detected		Result < MAX		1.0
Hexachloro-1-3-butadiene	Not detected		Result < MAX		1.0
Toxaphene	Not detected		Result < MAX		1.0
Kepone	Not detected		Result < MAX		1.0

PAH (15 ZEK - EPA)

according to: Geprüfte Sicherheit (GS) - AfPS-GS-2014-01 on PAH content (PAK)

testing conditions: AfPS GS 2014:01 PAK Category 1

Benzo a pyrene	Not detected		Result <= MAX		0.2
Benzo a anthracene	Not detected		Result <= MAX		0.2
Chrysene	Not detected		Result <= MAX		0.2
Benzo b fluoranthene	Not detected		Result <= MAX		0.2
Benzo k fluoranthene	Not detected		Result <= MAX		0.2
Dibenz ah anthracene	Not detected		Result <= MAX		0.2
Benzo j fluoranthene	Not detected		Result <= MAX		0.2
Benzo e pyrene	Not detected		Result <= MAX		0.2
Indeno 123cd pyrene	Not detected		Result <= MAX		0.2
Benzo ghi perylene	Not detected		Result <= MAX		0.2
Acenaphthylene	Not detected		Result <= MAX		1000000
Acenaphthene	Not detected		Result <= MAX		1000000
Fluorene	Not detected		Result <= MAX		1000000
Phenanthrene	Not detected		Result <= MAX		1
Anthracene	Not detected		Result <= MAX		1
Fluoranthene	Not detected		Result <= MAX		1
Pyrene	Not detected		Result <= MAX		1
Naphthalene	Not detected		Result <= MAX		1
sum of 4 PAH	Not detected		Result <= MAX		1
sum of 15 PAH	Not detected		Result <= MAX		1
Anthracene oils and pastes	Not detected		Result <= MAX		1000000
Coal tar	Not detected		Result <= MAX		1000000

	Result	Units	Spec rule	Min	Max
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Phthalates

according to: Reach 1907/2006 art 33-57 on SVHC

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

DMP	0		Result <= MAX		1000000
DEP	0	ppm	Result <= MAX		1000000
DAP	0		Result <= MAX		1000000
DIBP	0		Result <= MAX		1000
DBP	0		Result <= MAX		1000
DMEP	0		Result <= MAX		1000000
DPP	0		Result <= MAX		1000000
DIPP	0		Result <= MAX		1000000
nPiPP	0		Result <= MAX		1000000
BBP	0		Result <= MAX		1000
DHP	0		Result <= MAX		1000000
DEEP	0		Result <= MAX		1000000
DEHP	0	ppm	Result <= MAX		1000
DIHP	0		Result <= MAX		1000000
DNOP	0		Result <= MAX		1000000
DINP	0		Result <= MAX		1000000
DIDP	0		Result <= MAX		1000000
DIHP	0		Result <= MAX		1000000
DHNUP	0		Result <= MAX		1000000

PCB

according to: POP COMMISSION REGULATION No EC 2019/1021

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Chlorobiphenyl	Not detected		Result <= MAX		1.0
Dichlorobiphenyl	Not detected		Result <= MAX		1.0
Trichlorobiphenyl	Not detected		Result <= MAX		1.0
Tetrachlorobiphenyl	Not detected		Result <= MAX		1.0
Pentachlorobiphenyl	Not detected		Result <= MAX		1.0





	Result	Units	Spec rule	Min	Max
Hexachlorobiphenyl	Not detected		Result <= MAX		1.0
Heptachlorobiphenyl	Not detected		Result <= MAX		1.0
Octachlorobiphenyl	Not detected		Result <= MAX		1.0
Decachlorobiphenyl	Not detected		Result <= MAX		1.0

Formaldehyde by migration

according to: Resolution ResAP (2004) 5 on silicones

testing conditions: 3% acetic acid, 2 hours 100°C

Formaldehyde migration	0.0	ppm	Result <= MAX		15
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Metal migration from plastics

according to: Resolution ResAP (2004) 5 on silicones

testing conditions: 3% acetic acid, 2 hours 100°C

Al	0.02	mg/kg-simulant	Result <= MAX		1,0
Mn	0.00	mg/kg-simulant	Result <= MAX		0.6
Sn	0.0	mg/kg-simulant	Result <= MAX		0.02

SVHC

according to: Reach 1907/2006 art 33-57 on SVHC

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

2 Methoxy ethanol	Not detected		Result <= MAX		1000000
Methoxyacetic acid	Not detected		Result <= MAX		1000000
1,2 Dichloroethane	Not detected		Result <= MAX		1000000
N methylacetamide	Not detected		Result <= MAX		1000000
NN dimethylformamide	Not detected		Result <= MAX		1000000
Acrylamide	Not detected		Result <= MAX		1000000
2-ethoxyethyl acetate	Not detected		Result <= MAX		1000000
1 Bromopropane	Not detected		Result <= MAX		1000000
1,2,3 Trichloropropane	Not detected		Result <= MAX		1000000
Bis(2methoxyethyl)ether	Not detected		Result <= MAX		1000000
Trichloro ethene	Not detected		Result <= MAX		1000000
2 Ethoxy ethanol	Not detected		Result <= MAX		1000000





	Result	Units	Spec rule	Min	Max
TBTO	Not detected		Result <= MAX		1000000
TCEP	Not detected		Result <= MAX		1000000
DNT	Not detected		Result <= MAX		1000000
DINOSEB	Not detected		Result <= MAX		1000000
4 tert Octylphenol	Not detected		Result <= MAX		1000000
Nonyl Phenol	Not detected		Result <= MAX		1000000
Musk Xylene	Not detected		Result <= MAX		1000000
o Tolidine	Not detected		Result <= MAX		1000000
44 MDA	Not detected		Result <= MAX		1000000
4 Aminobiphenyl	Not detected		Result <= MAX		1000000
p Cresidine	Not detected		Result <= MAX		1000000
Benzenamine 44-methylenebis-2-chloro-	Not detected		Result <= MAX		1000000
24 Diaminotoluene	Not detected		Result <= MAX		1000000
Phenylazoaniline	Not detected		Result <= MAX		1000000
44 Methylenedi o toluidine	Not detected		Result <= MAX		1000000
44 Oxydianiline	Not detected		Result <= MAX		1000000
o Aminoazotoluene	Not detected		Result <= MAX		1000000
12 Cyclohexanedicarboic anhydride	Not detected		Result <= MAX		1000000
Hexahydro-4-methylphtalic anhydride	Not detected		Result <= MAX		1000000
Phenolphtalein	Not detected		Result <= MAX		1000000
Basic Violet 3	Not detected		Result <= MAX		1000000
Victoria Blue 26	Not detected		Result <= MAX		1000000
TEGDME	Not detected		Result <= MAX		1000000
EGDME	Not detected		Result <= MAX		1000000
Michlers ketone	Not detected		Result <= MAX		1000000
Michlers base	Not detected		Result <= MAX		1000000
TGIC	Not detected		Result <= MAX		1000000
B-TGIC	Not detected		Result <= MAX		1000000
Direct red 28	Not detected		Result <= MAX		1000000
Direct black 38	Not detected		Result <= MAX		1000000
Trixylyl phosphate	Not detected		Result <= MAX		1000000
Formaldehyde oligoment reaction products	0	ppm	Result <= MAX		1000000
DBTDC	Not detected		Result <= MAX		1000000





	Result	Units	Spec rule	Min	Max
12 Diethoxyethane	Not detected		Result <= MAX		1000000
Imidazolidine-2-thione	Not detected		Result <= MAX		1000000
UV-328	Not detected		Result <= MAX		1000000
Uvazol 237	Not detected		Result <= MAX		1000000
UV-350	Not detected		Result <= MAX		1000000
HBCDD total	Not detected		Result <= MAX		1000000
13 Propanesultone	Not detected		Result <= MAX		1000000
Dicyclohexyl phthalate	Not detected		Result <= MAX		1000000
Nitrobenzene	Not detected		Result <= MAX		1000000
Amber Dioxade Isomers	Not detected		Result <= MAX		1000000
Bisphenol A	Not detected		Result <= MAX		1000000
11 Dimethylpropylphenol	Not detected		Result <= MAX		1000000
4-tert-Amylphenol	Not detected		Result <= MAX		1000000
4-n-Heptylphenol	Not detected		Result <= MAX		1000000
Dechlorane Plus	Not detected		Result <= MAX		1000000
Terphenyl hydrogenated	Not detected		Result <= MAX		1000000
Ethylenediamine	Not detected		Result <= MAX		1000000
TMA	Not detected		Result <= MAX		1000000
4MBC	Not detected		Result <= MAX		1000000
3BC	Not detected		Result <= MAX		1000000
PTBP	Not detected		Result <= MAX		1000000
MCCP	Not detected		Result <= MAX		1000000

Phenols

according to: POP EU/2019/1021 on PCP content.

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Octyl phenol	Not detected		Result <= MAX		1000000
Nonyl phenol	Not detected		Result <= MAX		1000000
Phenol, pentachloro- / PCP	Not detected		Result <= MAX		100





	Result	Units	Spec rule	Min	Max
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Heavy metals content

according to: Reach (EC) 1907/2006 - Annex XVII entry 20-21 on Organostannic, 23 on Cadmium, 62 on Mercury, 63 on Lead & Ban of products containing lead - BEK 856.

testing conditions: 111/54/CDV & IEC 62321 & NPR-CR 10299, measured with XRF

Cadmium	0	ppm	Result <= MAX		100
Lead	0	ppm	Result <= MAX		100
Mercury	0	ppm	Result <= MAX		100
Tin	8	ppm	Result <= MAX		1000000
Zinc	300	ppm	Result <= MAX		30000
Chlorine	0	ppm	Result <= MAX		10000

Part description: blue spatula**VOM (Volatile Organic Matter)**

according to: Food Contact Materials. XV. Silicones - German legislation on Food Contact Materials

testing conditions: 4 hours 200°C

VOM	0.11	%	Result <= MAX		0,5
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SCCP, Chloroparaffins

according to: Regulation (EC) 2019/1021 – Persistent Organic Pollutants (POP) on SCCP

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Chloroparaffins total	0		Result < MAX		1500
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PCN

according to: Regulation (EC) 2019/1021 – Persistent Organic Pollutants (POP) on PCN.

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Halowax 1000 mono PCN	Not detected		Result < MAX		0,1
Halowax 1000 di PCN	Not detected		Result < MAX		0,1
Halowax 1001 tri PCN	Not detected		Result < MAX		0,1
Halowax 1013 tetra PCN	Not detected		Result < MAX		0,1
Halowax 1014 penta PCN	Not detected		Result < MAX		0,1
Halowax 1014 hexa PCN	Not detected		Result < MAX		0,1
Halowax 1051 hepta PCN	Not detected		Result < MAX		0,1





	Result	Units	Spec rule	Min	Max
Halowax 1051 octa PCN	Not detected		Result < MAX		0,1

OCP & DMF

according to: Reach 1907/2006 Annex XVII, entry 61 on DMF

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

DMF (DIMETHYLFUMARATE)	Not detected		Result < MAX		0.1
a BHC	Not detected		Result < MAX		1.0
Hexachlorobenzene	Not detected		Result < MAX		1.0
d BHC	Not detected		Result < MAX		1.0
b BHC	Not detected		Result < MAX		1.0
g BHC	Not detected		Result < MAX		1.0
Heptachlor epoxide A	Not detected		Result < MAX		1.0
Heptachlor epoxide B	Not detected		Result < MAX		1.0
Heptachlor	Not detected		Result < MAX		1.0
Aldrin	Not detected		Result < MAX		1.0
Isodrin	Not detected		Result < MAX		1.0
Endrin	Not detected		Result < MAX		1.0
Endosulfan I	Not detected		Result < MAX		1.0
Endosulfan II	Not detected		Result < MAX		1.0
44 DDE	Not detected		Result < MAX		1,0
Dieldrin	Not detected		Result < MAX		1.0
44 DDD	Not Analyzed		Result < MAX		1,0
44 DDT	Not detected		Result < MAX		1,0
Endosulfan Sulfate	Not detected		Result < MAX		1,0
Methoxychlor	Not detected		Result < MAX		1.0
Mirex	Not detected		Result < MAX		1.0
Hexachloro-1-3-butadiene	Not detected		Result < MAX		1.0
Toxaphene	Not detected		Result < MAX		1.0
Kepone	Not detected		Result < MAX		1.0



	Result	Units	Spec rule	Min	Max
PAH (15 ZEK - EPA)					
according to: Geprüfte Sicherheit (GS) - AfPS-GS-2014-01 on PAH content (PAK)					
testing conditions: AfPS GS 2014:01 PAK Category 1					
Benzo a pyrene	Not detected		Result <= MAX		0.2
Benzo a anthracene	Not detected		Result <= MAX		0.2
Chrysene	Not detected		Result <= MAX		0.2
Benzo b fluoranthene	Not detected		Result <= MAX		0.2
Benzo k fluoranthene	Not detected		Result <= MAX		0.2
Dibenz ah anthracene	Not detected		Result <= MAX		0.2
Benzo j fluoranthene	Not detected		Result <= MAX		0.2
Benzo e pyrene	Not detected		Result <= MAX		0.2
Indeno 123cd pyrene	Not detected		Result <= MAX		0.2
Benzo ghi perylene	Not detected		Result <= MAX		0.2
Acenaphthylene	Not detected		Result <= MAX		1000000
Acenaphthene	Not detected		Result <= MAX		1000000
Fluorene	Not detected		Result <= MAX		1000000
Phenanthrene	Not detected		Result <= MAX		1
Anthracene	Not detected		Result <= MAX		1
Fluoranthene	Not detected		Result <= MAX		1
Pyrene	Not detected		Result <= MAX		1
Naphthalene	Not detected		Result <= MAX		1
sum of 4 PAH	Not detected		Result <= MAX		1
sum of 15 PAH	Not detected		Result <= MAX		1
Anthracene oils and pastes	Not detected		Result <= MAX		1000000
Coal tar	Not detected		Result <= MAX		1000000

Phthalates

according to: Reach 1907/2006 art 33-57 on SVHC

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

DMP	0		Result <= MAX		1000000
DEP	0		Result <= MAX		1000000
DAP	0		Result <= MAX		1000000



	Result	Units	Spec rule	Min	Max
DIBP	0		Result <= MAX		1000
DBP	0	ppm	Result <= MAX		1000
DMEP	0		Result <= MAX		1000000
DPP	0		Result <= MAX		1000000
DIPP	0		Result <= MAX		1000000
nPiPP	0		Result <= MAX		1000000
BBP	0		Result <= MAX		1000
DHP	0		Result <= MAX		1000000
DEEP	0		Result <= MAX		1000000
DEHP	0		Result <= MAX		1000
DIH _p P	0		Result <= MAX		1000000
DNOP	0		Result <= MAX		1000000
DINP	0		Result <= MAX		1000000
DIDP	0		Result <= MAX		1000000
DIH _x P	0		Result <= MAX		1000000
DHNUP	0		Result <= MAX		1000000

PCB

according to: POP COMMISSION REGULATION No EC 2019/1021

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Chlorobiphenyl	Not detected		Result <= MAX		1.0
Dichlorobiphenyl	Not detected		Result <= MAX		1.0
Trichlorobiphenyl	Not detected		Result <= MAX		1.0
Tetrachlorobiphenyl	Not detected		Result <= MAX		1.0
Pentachlorobiphenyl	Not detected		Result <= MAX		1.0
Hexachlorobiphenyl	Not detected		Result <= MAX		1.0
Heptachlorobiphenyl	Not detected		Result <= MAX		1.0
Octachlorobiphenyl	Not detected		Result <= MAX		1.0
Decachlorobiphenyl	Not detected		Result <= MAX		1.0





Result	Units	Spec rule	Min	Max
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Formaldehyde by migration

according to: Resolution ResAP (2004) 5 on silicones

testing conditions: 3% acetic acid, 2 hours 100°C

Formaldehyde migration	0.0	ppm	Result <= MAX		15
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Metal migration from plastics

according to: Resolution ResAP (2004) 5 on silicones

testing conditions: 3% acetic acid, 2 hours 100°C

Al	0.04	mg/kg-simulant	Result <= MAX		1,0
Mn	0.00	mg/kg-simulant	Result <= MAX		0.6
Sn	0.0	mg/kg-simulant	Result <= MAX		0.02

SVHC

according to: Reach 1907/2006 art 33-57 on SVHC

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

2 Methoxy ethanol	Not detected		Result <= MAX		1000000
Methoxyacetic acid	Not detected		Result <= MAX		1000000
1,2 Dichloroethane	Not detected		Result <= MAX		1000000
N methylacetamide	Not detected		Result <= MAX		1000000
NN dimethylformamide	Not detected		Result <= MAX		1000000
Acrylamide	Not detected		Result <= MAX		1000000
2-ethoxyethyl acetate	Not detected		Result <= MAX		1000000
1 Bromopropane	Not detected		Result <= MAX		1000000
1,1,2 Trichloropropane	Not detected		Result <= MAX		1000000
Bis(2methoxyethyl)ether	Not detected		Result <= MAX		1000000
Trichloro ethene	Not detected		Result <= MAX		1000000
2 Ethoxy ethanol	Not detected		Result <= MAX		1000000
TBTO	Not detected		Result <= MAX		1000000
TCEP	Not detected		Result <= MAX		1000000
DNT	Not detected		Result <= MAX		1000000
DINOSEB	Not detected		Result <= MAX		1000000





	Result	Units	Spec rule	Min	Max
4 tert Octylphenol	Not detected		Result <= MAX		1000000
Nonyl Phenol	Not detected		Result <= MAX		1000000
Musk Xylene	Not detected		Result <= MAX		1000000
o Toluidine	Not detected		Result <= MAX		1000000
44 MDA	Not detected		Result <= MAX		1000000
4 Aminobiphenyl	Not detected		Result <= MAX		1000000
p Cresidine	Not detected		Result <= MAX		1000000
Benzenamine 44-methylenebis-2-chloro-	Not detected		Result <= MAX		1000000
24 Diaminotoluene	Not detected		Result <= MAX		1000000
Phenylazoaniline	Not detected		Result <= MAX		1000000
44 Methylenedi o toluidine	Not detected		Result <= MAX		1000000
44 Oxydianiline	Not detected		Result <= MAX		1000000
o Aminoazotoluene	Not detected		Result <= MAX		1000000
12 Cyclohexanedicarbolic anhydride	Not detected		Result <= MAX		1000000
Hexahydro-4-methylphtalic anhydride	Not detected		Result <= MAX		1000000
Phenolphtalein	Not detected		Result <= MAX		1000000
Basic Violet 3	Not detected		Result <= MAX		1000000
Victoria Blue 26	Not detected		Result <= MAX		1000000
TEGDME	Not detected		Result <= MAX		1000000
EGDME	Not detected		Result <= MAX		1000000
Michlers ketone	Not detected		Result <= MAX		1000000
Michlers base	Not detected		Result <= MAX		1000000
TGIC	Not detected		Result <= MAX		1000000
B-TGIC	Not detected		Result <= MAX		1000000
Direct red 28	Not detected		Result <= MAX		1000000
Direct black 38	Not detected		Result <= MAX		1000000
Trixylyl phosphate	Not detected		Result <= MAX		1000000
Formaldehyde oligoment reaction products	0	ppm	Result <= MAX		1000000
DBTDC	Not detected		Result <= MAX		1000000
12 Diethoxyethane	Not detected		Result <= MAX		1000000
Imidazolidine-2-thione	Not detected		Result <= MAX		1000000
UV-328	Not detected		Result <= MAX		1000000
Uvazol 237	Not detected		Result <= MAX		1000000





	Result	Units	Spec rule	Min	Max
UV-350	Not detected		Result <= MAX		1000000
HBCDD total	Not detected		Result <= MAX		1000000
13 Propanesultone	Not detected		Result <= MAX		1000000
Dicyclohexyl phthalate	Not detected		Result <= MAX		1000000
Nitrobenzene	Not detected		Result <= MAX		1000000
Amber Dioxade Isomers	Not detected		Result <= MAX		1000000
Bisphenol A	Not detected		Result <= MAX		1000000
11 Dimethylpropylphenol	Not detected		Result <= MAX		1000000
4-tert-Amylphenol	Not detected		Result <= MAX		1000000
4-n-Heptylphenol	Not detected		Result <= MAX		1000000
Dechlorane Plus	Not detected		Result <= MAX		1000000
Terphenyl hydrogenated	Not detected		Result <= MAX		1000000
Ethylenediamine	Not detected		Result <= MAX		1000000
TMA	Not detected		Result <= MAX		1000000
4MBC	Not detected		Result <= MAX		1000000
3BC	Not detected		Result <= MAX		1000000
PTBP	Not detected		Result <= MAX		1000000
MCCP	Not detected		Result <= MAX		1000000

Phenols

according to: POP EU/2019/1021 on PCP content.

testing conditions: CPSC_CH_C1001-09.3 EPA3546 / ASTM D7823-14

Octyl phenol	Not detected		Result <= MAX		1000000
Nonyl phenol	Not detected		Result <= MAX		1000000
Phenol, pentachloro- / PCP	Not detected		Result <= MAX		100

Heavy metals content

according to: Reach (EC) 1907/2006 - Annex XVII entry 20-21 on Organostannic, 23 on Cadmium, 62 on Mercury, 63 on Lead & Ban of products containing lead - BEK 856.

testing conditions: 111/54/CDV & IEC 62321 & NPR-CR 10299, measured with XRF

Cadmium	0	ppm	Result <= MAX		100
Lead	0	ppm	Result <= MAX		100
Mercury	0	ppm	Result <= MAX		100





	Result	Units	Spec rule	Min	Max
Tin	8	ppm	Result <= MAX		1000000
Zinc	380	ppm	Result <= MAX		30000
Chlorine	0	ppm	Result <= MAX		10000

*** END OF REPORT ***

