

JOONE – SAS [simplified joint-stock
company] NOO CORP
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75009 PARIS
FRANCE

STUDY No. 1069076F01 COMPLETE FINAL PRODUCT TEST

[images]

**Sarah BOUKHALI JOONE – SAS [simplified joint-stock company]
NOO CORP**

Reference Chemical analysis of nappies for babies - JOONE
Quote 2019/57495 (DSP 699388)

Tested products
JOONE

Barbara BRIGNATZ, Study director
May 16 2019

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facsimile. It includes 17 pages plus an appendix.

The results found below only apply to the samples sent to the laboratory and only as defined in
this document. The samples will be stored on our premises for two months starting from the date
mentioned in this document. The sample and the information referring to the sample were
provided by the client. All of the information referring to the sample are the responsibility of the
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1. FORWARD

The objective of this study is to analyse the chemical substances in nappies for babies.

PRODUCTS TESTED:

[image]

❖ **JOONE**
ULTRA-SOFT DIAPERS PREMIUM
PROTECTION LEON THE BEAR CUB BAG SIZE
4 MAX (7-14KG) X48
Manufacturer/ Packaging company: ABSENT
Batch number: 4AC 22:58 065 03/2019/FR
Barcode number: 3760277190985
Provided by: JOONE on 22/03/2019

The study investigates:

- ❖ Allergens according to Regulation (EC) No 1223/2009 - GC-MS - Internal - (JR0U4)no.
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Glyphosate and AMPA in cotton material- LC/MS/MS - Internal Method [DE Food] - (SFW9Y)
SOP Reference: SOFIA GmbH
- ❖ Polycyclic Aromatic Hydrocarbons (PAH) - GC/MS - AfPS GS 2014 - materials - (JR0EC)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Volatile organic compounds - HS - GC/MS - Internal method - (J7504)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Formaldehyde - Spectrophotometry - - §64 LFGB B 82.02-1 - (J7004)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Organochlorine Pesticides + Pyrethroids - GC/ECD - ASU L 00.00-34:2010-09 - (SP101)
SOP Reference: EUROFINS Dr. Specht & Partner Laboratorien GmbH
- ❖ Copper (Cu) - ICP-MS - EN ISO 17294-2 mod. - (FIN0U)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Nickel (Ni) - ICP-MS - EN ISO 17294-2 mod. - (JR0WJ)
SOP Reference: Eurofins Consumer Product Testing GmbH



- ❖ Cobalt (Co) - ICP-MS - EN ISO 17294-2 mod. - (JR0WL)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Chrome (Cr) - ICP-MS - EN ISO 17294-2 mod. - (JR0WK)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Lead (Pb) - ICP-MS - EN ISO 17294-2 mod. - (JR0WI)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Cadmium (Cd) - ICP-MS - EN ISO 17294-2 mod. - (JR0WG)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Mercury (Hg) - ICP-MS - EN ISO 17294-2 mod. - (JR0WE)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Arsenic (As) - ICP-MS - EN ISO 17294-2 mod. - (JR0WF)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ Antimony (Sb) - ICP-MS - EN ISO 17294-2 mod. - (JR0WH)
SOP Reference: Eurofins Consumer Product Testing GmbH
- ❖ EOX/AOX - (1T3VV)
SOP Reference: INDIKATOR GmbH
- ❖ Nonylphenol, octylphenol, nonylphenolmonoethoxylate - (1T3QX)
SOP Reference: PiCA Prüfinstitut Chemische Analytik GmbH
- ❖ Dioxins(17) |envi| materials - Internal methods - (GFU0A)
SOP Reference: Eurofins | GfA, Hamburg
- ❖ Organotin compounds (8 compounds) - GC/MS - Internal Methods- (GFU61)
SOP Reference: Eurofins | GfA, Hamburg
- ❖ 1,2-Benzene dicarboxylic acid, dihexyl ester, - GC/MS - CPSC-CH-C1001-09.4 - (AW1FX)
SOP Reference: EUROFINS PRODUCT TESTING A/S
- ❖ 1,2-Benzene dicarboxylic acid, dipentyl ester, - GC/MS - CPSC-CH-C1001-09.4 - (AW1G6)
SOP Reference: EUROFINS PRODUCT TESTING A/S
- ❖ Di-C6-C10 alkylphthalates in materials. - GC/MS - CPSC-CH-C1001-09.4 - (AWW1A)
SOP Reference: EUROFINS PRODUCT TESTING A/S
- ❖ Extractable content of di-n-octyl phthalate (DNOP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW87)
SOP Reference: EUROFINS PRODUCT TESTING A/S
- ❖ Extractable content of dicyclohexyl phthalate (DCP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW92)
SOP Reference: EUROFINS PRODUCT TESTING A/S
- ❖ Extractable content of diisononyl phthalate (DINP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW88)
SOP Reference: EUROFINS PRODUCT TESTING A/S



- ❖ Extractable content of diisodecyl phthalate (DIDP) - GC/MS - CPSC-CH-C1001-09.3 - (AWW89)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of diisobutyl phthalate (DIBP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW82)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of dibutyl phthalate (DBP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW83)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of di-n-hexyl phthalate (DnHP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW84)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of benzylbutyl phthalate (BBP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW85)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of di(ethylhexyl) phthalate (DEHP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW86)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of di-n-pentyl phthalate (DNPP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW91)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of n-pentylisopentyl phthalate (PiPP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW93)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of diisopentyl phthalate (DIPP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW94)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of di(2-methoxyethyl) phthalate (DMEP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW95)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content of diisoheptyl phthalate(DIHpP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW96)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Extractable content diheptylnonylundecyl phthalate (DHNUP) - GC/MS - CPSC-CH-C1001-09.4 - (AWW98)
SOP Reference: *EUROFINS PRODUCT TESTING A/S*
- ❖ Polychlorinated biphenyls (PCB) - GC/MS - EN ISO 15318 - (J6545)
SOP Reference: *Eurofins Consumer Product Testing GmbH*
- ❖ Bisphenol A and F - LC/MS/MS - internal - (JJ0GR)
SOP Reference: *Eurofins Consumer Product Testing GmbH*



2. SUMMARY/ CONCLUSION

We do not notice any detection of the searched chemical substance product analysed (batch no.no. 4AC 22:58 065 03/2019/FR).



3. PROTOCOL DESCRIPTION

❁ Organochloride pesticides + pyrethoides - GC/ECD - ASU L 00.00-34:2010-09

The aim of this method is to research and to quantify the organochlorine pesticides and the pyrethroids (insecticides). These substances are extracted from the product with acetone. Before the extraction, water is added to the sample with a quantity chosen according the natural water content of the sample (during the extraction, the ratio acetone/water has to be constant at 2/1 v/v). For the separation liquid/liquid, sodium chloride and a mix of cyclohexane and ethyl acetate are added to the preparation; the whole is mixed carefully, and then allowed to rest for the separation of the different phases. A determinate part of the organic phase is dried with sodium sulfate then reduced in volume. Identical volumes of ethyl acetate and cyclohexane are added successively to the residue. The residual water is removed by a mix of sodium sulfate and sodium chloride; the solution is then filtered. The extract is purified by chromatography with gel permeation. The obtained eluent goes through a small column of silica gel and is eluted with solvents of increasing polarity. This step is necessary for the determination by gas chromatography using a detector with capture of electrons.

The analysis is performed on the whole of the product components (on a mix of the whole product). LOQ in the appendix to the report.

❁ Dioxins(17) [envij] materials - Internal method

The aim of this method is to research and to quantify the dioxins (Polychlorinated dibenzodioxin / PCDD) and furans (Polychlorinated dibenzofuran / PCDF). There are 75 PCDD and 135 PCDF but only 17 are recognized as toxics for man: Tetrachlorodibenzodioxin, Pentachlorodibenzodioxin, Hexachlorodibenzodioxin (3 conformations), Heptachlorodibenzodioxin, Octachlorodibenzodioxin, Tetrachlorodibenzofuran, Pentachlorodibenzofuran (2 conformations), Hexachlorodibenzofuran (4 conformations), Heptachlorodibenzofuran (2 conformations), Octachlorodibenzofuran. The extraction of PCDD and PCDF is carried out with toluene (Soxhlet method). The quantification is performed by gas chromatography combined with a mass spectroscopy (high resolution).

The analysis is performed on the whole components of the product (on a mix of the whole product).

Remark:

We will note that the limit of quantification of this analysis depends on the quantity of used product. This quantity can slightly increase if we note the presence of interferences during the analysis, which force the operator to carry out once again the analysis with more material; the consequence is to have a limit of quantification slightly higher.



❖ EOX/AOX

The aim of this method is to research and quantify the organic halogen components (Extractable and Adsorbable: EOX and AOX):

Extractable (EOX): the extraction consists to extract a part of organic halogen components with solvent (ethyl acetate). Then, the quantification is carried out by combustion in an oxygen stream coupled to a coulometric micro detection (see below) of the organic halogen components.

Adsorbable (AOX): the extraction is performed by vapor distillation in presence of active carbon. The extracted organic halogens components are captured on the active carbon (containing the organic halogen components) in an oxygen stream coupled with a coulometric micro detection (see below). The method of coulometric micro detection determines the quantity of transformed material during an electrolysis reaction measuring the consumed or produced electricity quantity (in coulombs) (during combustion for example) of organic halogen components.

The analysis is performed on the whole components of the product (on a mix of the whole product).

❖ Nonylphenol, octylphenol, Nonylphenolmonoethoxylate

A representative sampling of the sample is mixed with a standard (e.g. 4 nonylphenol - d4) and extracted with MTBE in an ultrasonic bath. The measurement is performed by GC/MS/MS in MRM mode.

❖ Formaldehyde - Spectrophotometry - §64 LFGB B 82.02-1

The aim of this method is to research and quantify the formaldehyde (CMR substance: carcinogenic, mutagenic and reprotoxic). The formaldehyde (or formic aldehyde) is extracted from the product to test with distilled water (at 23°C, during 24h). Then the extracted formaldehyde reacts with acetylacetone and ammonium acetate to create the 3,5-diacetyl-1,4-dihydrolutidine (which is dosed by photometry at 412nm). The final measurement is performed by spectrophotometry.

The analysis is performed on the whole components of the product (on a mix of the whole product).

❖ Heavy metals- ICP/MS

Microwave digestion

Internal method using ICP-MS

❖ Polychlorinated biphenyls (PCB)- GC/MS - EN ISO 15318

This analysis consists to determinate the PCBs content of the sample according to EN ISO 15318. The method is by GC-MS. Extraction with ethanoic potassium hydroxide and hexane.



❖ Extractable content of phthalates - GC/MS - CPSC-CH-C1001-09.4

LOQ: (standard LOQ which could change according to the analysed matrix *and/or on the investigation sample*).

Benzyl butyl phthalate < 5 mg/kg
Di-(2-methoxyethyl)phthalate(DMEP)< 10 mg/kg
Diethylhexylphthalate (DEHP)<5 mg/kg
Di-n-butylphthalate < 5 mg/kg
Dicyclohexylphthalat* < 5 mg/kg
Diethylphthalate < 5 mg/kg
Heptylnonylundecyl phthalate* < 50 mg/kg
Di-isobutyl phthalate (DiBP) < 5 mg/kg
Diisodecylphthalate (DIDP)* < 30 mg/kg
DiisoHeptylphthalate (DiHP)* < 25 mg/kg
Diisononylphthalate (DINP) < 30 mg/kg
Di-(isopentyl)phthalate (DiPP)* < 5 mg/kg
Dihexyl phthalate (DHXP)* < 5 mg/kg
Di-n-octylphthalate (DNOP) < 5 mg/kg
Dipentylphthalate* < 5 mg/kg
Other phthalates* < 50 mg/kg
Pentylisopentyl phthalate* < 5 mg/kg

❖ Glyphosate and AMPA in cotton material - LC/MS/MS - Internal Method [DE Food]

The aim of this method is to research and to quantify the glyphosate (herbicide) and the aminomethylphosphonic acid (principal product of the glyphosate degradation). The method is based on an extraction in an acid aqueous solution. The quantification is by liquid chromatography combined with a mass spectroscopy

❖ Polycyclic Aromatic Hydrocarbons (PAHs) - GC/MS - AfPS GS 2014 - materials

The aim of this method is to research and to quantify the polycyclic aromatic hydrocarbons (PAHs). The method consists on an extraction of the PAHs with toluene, in an ultrasonic bath, and the quantification is by gas chromatography combined with a mass spectroscopy.

The analysis is performed on the whole of the components of the products (on a mix of the whole product).

❖ Volatile organic compounds HS - GC/MS - Internal method

Internal method

Analysis using gas chromatography combined with mass spectrometry (GC/MS)



❁ **Allergens according to EC No.: 1223/2009 - GC/MS - Internal**

The aim of this method is to research and quantify the allergens according to the European regulation 1223/2009. The method is based on extraction of allergens from the product to test with tert-butyl-methyl-ether (inert and not volatile solvent). For identification and quantification of allergens, the liquid is injected directly in a system: gas chromatography coupled with mass spectrometer.

The analysis is performed on the whole components of the product (on a mix of the whole product).

❁ **Organotin compounds**

- *Extraction of hexane and in-situ-derivatisation with sodiumtetraethylborate.*
- *Addition of internal standard substances to facilitate the extraction*
- *Washing of the Hexane phase*
- *Addition of Tetrapentyltin*
- *Analysis in gas chromatography coupled to a mass spectrometer (GC/MS) Quantification of the organotins (internal method)*

❁ **Bisphenol A and F - LC/MS/MS - internal**

Extraction of a 1g sample with ethanol. After 24 hours at ambient T°C, the solution is filtered through a membrane then analysed by the HPLC with a specific mass detector.

LOQ: 1 mg/kg (standard LOQ which could change according to the analysed matrix and/or on the investigation sample).



4. RESULTS

[logo]



SUMMARY TABLE CHEMICAL ANALYSIS

Brand Manufacturer Denomination Name: Batch	JOONE -- ULTRA-SOFT NAPPIES PREMIUM PROTECTION LEON THE BEAR CUB BAG SIZE 4 MAXI (7 - 14KG) X48 4AC 22:58 065 03/2019/FR
Copper - ICP/MS - NF EN ISO 17294-2 Copper (Cu) - CAS no.: 7440-50-8 mg/kg	<1
Nickel (Ni) - ICP/MS - NF EN ISO 17294-2 Nickel (Ni) - CAS no.: 7440-02-0 mg/kg	<1
Cobalt (Co) - ICP/MS - NF EN ISO 17294-2 Cobalt (Co) - CAS no.: 7440-48-4 mg/kg	<1
Chrome (Cr) - ICP/MS - NF EN ISO 17294-2 Chrome (Cr) - CAS no.: 7440-47-3 mg/kg	<1
Lead (Pb) - ICP/MS - NF EN ISO 17294-2 Lead (Pb) - CAS no.: 7439-92-1 mg/kg	<1
Cadmium (Cd) - ICP/MS - NF EN ISO 17294-2 Cadmium - CAS no.: 7440-43-9 mg/kg	<0.1
Mercury (Hg) - ICP/MS - NF EN ISO 17294-2 Mercury (Hg) mg/kg	<0.1
Arsenic (As) - ICP/MS - NF EN ISO 17294-2 Arsenic (As) - CAS no.: 7440-38-2 mg/kg	<1
Antimony (Sb) - ICP/MS - NF EN ISO 17294-2 Antimony - CAS no.: 7440-36-0 mg/kg	<1
Dioxins(17) - GC/MS/MS - internal	
2,3,7,8-TCDD - CAS no.: 1746-01-6 pg/g	<0.0382
1,2,3,7,8-PeCDD - CAS no.: 40321-76-4 pg/g	<0.0503
1,2,3,4,7,8-HxCDD - CAS no.: 39227-28-6 pg/g	<0.0765
1,2,3,6,7,8-HxCDD - CAS no.: 57653-85-7 pg/g	<0.105
1,2,3,7,8,9-HxCDD - CAS no.: 19408-74-3 pg/g	<0.0986
1,2,3,4,6,7,8-HpCDD - CAS no.: 35822-46-9 pg/g	<0.161
OCDD - CAS no.: 3268-87-9 pg/g	<1.17
2,3,7,8-TCDF - CAS no.: 51207-31-9 pg/g	<0.105
1,2,3,7,8-PeCDF - CAS no.: 57117-41-6 pg/g	<0.0724
2,3,4,7,8-PeCDF - CAS no.: 57117-31-4 pg/g	<0.113
1,2,3,4,7,8-HxCDF - CAS no.: 70648-26-9 pg/g	<0.119
1,2,3,6,7,8-HxCDF - CAS no.: 57117-44-9 pg/g	<0.109
1,2,3,7,8,9-HxCDF - CAS no.: 72918-21-9 pg/g	<0.0805
2,3,4,6,7,8-HxCDF - CAS no.: 60851-34-5 pg/g	<0.0986
1,2,3,4,6,7,8-HpCDF - CAS no.: 67562-39-4 pg/g	<0.113
1,2,3,4,7,8,9-HpCDF - CAS no.: 55673-89-7 pg/g	<0.0785
OCDF - CAS no.: 39001-02-0 pg/g	<0.214
Glyphosate and AMPA in cotton material - LC/MS/MS - Internal Method [DE Food]	
Aminomethylphosphonic acid (AMPA) - CAS no.: 1066-51-9 ng/1 g	<10
Glufosinate - CAS no.: 51276-47-2 ng/1 g	<10
Glyphosate - CAS no.: 1071-83-6 ng/1 g	<10
Organotin compounds (8 compounds) - GC/MS - Internal	
Monobutyltin (MBT) - CAS no.: 78763-54-9 µg/kg	<4.9
Monobutyltin (MBT) - Sn - CAS no.: 1118-46-3 µg/kg	<3.3
Dibutyltin (DBT) - CAS no.: 818-08-6 µg/kg	<4.9
Dibutyltin (DBT) - Sn - CAS no.: 683-18-1 µg/kg	<2.5
Tributyltin (TBT) - CAS no.: 688-73-3 µg/kg	<4.9
Tributyltin (TBT) - Sn - CAS no.: 1461-22-9 µg/kg	<2.0
Tetrabutyltin (TTBT) - CAS no.: 1461-25-2 µg/kg	<4.9
Tetrabutyltin (TTBT) - Sn - CAS no.: 1461-25-2 µg/kg	<1.7
Monoctyltin (MOT) - CAS no.: 3091-25-6 µg/kg	<4.9
Monoctyltin (MOT) - Sn - CAS no.: 3091-25-6 µg/kg	<2.5
Diocetyl tin (DOT) - CAS no.: 870-08-6 µg/kg	<4.9
Diocetyl tin (DOT) - Sn - CAS no.: 3542-36-7 µg/kg	<1.7
Triphenyltin (TPhT or TPT) - CAS no.: 76-87-9 µg/kg	<4.9
Triphenyltin (TPhT) - Sn - CAS no.: 639-58-7 µg/kg	<1.7
Tricyclohexyltin (TCyT) - CAS no.: 13121-70-5 µg/kg	<9.8
Tricyclohexyltin chloride (TCHT) - Sn - CAS no.: 3091-32-5 µg/kg	<3.1



Brand Manufacturer Denomination Batch no.	JOONE -- ULTRA-SOFT NAPPIES PROTECTION PREMIUM LEON THE BEAR CUB BAG SIZE 4 MAXI (7 - 14KG) X48 4AC 22:58 065 03/2019/FR
Volatile organic compounds - HS - GC/MS - internal	
Benzene - CAS no.: 71-43-2 mg/kg	<0.1
Bromobenzene - CAS no.: 108-86-1 mg/kg	<0.1
Bromochloromethane - CAS no.: 74-97-5 mg/kg	<0.1
Bromodichloromethane - CAS no.: 75-27-4 mg/kg	<0.1
Bromoform (tribromomethane) - CAS no.: 75-25-2 mg/kg	<0.1
2-Chlorotoluene - CAS no.: 95-49-8 mg/kg	<0.1
4-Chlorotoluene - CAS no.: 106-43-4 mg/kg	<0.1
Dibromochloromethane - CAS no.: 124-48-1 mg/kg	<0.1
1,2-Dibromoethane - CAS no.: 106-93-4 mg/kg	<0.1
Dibromomethane - CAS no.: 74-95-3 mg/kg	<0.1
1,2-Dichlorobenzene - CAS no.: 95-50-1 mg/kg	<0.1
1,3-Dichlorobenzene - CAS no.: 541-73-1 mg/kg	<0.1
1,4-Dichlorobenzene - CAS no.: 106-46-7 mg/kg	<0.1
1,1-dichloroethane - CAS no.: 75-35-3 mg/kg	<0.1
1,2-Dichloroethane - CAS no.: 107-06-2 mg/kg	<0.1
1,1-Dichloroethene - CAS no.: 75-35-4 mg/kg	<0.1
cis 1,2-Dichloroethene - CAS no.: 156-59-2 mg/kg	<0.1
Dichloromethane - CAS no.: 75-09-2 mg/kg	<0.1
1,2-Dichloropropane - CAS no.: 78-87-5 mg/kg	<0.1
1,3-Dichloropropane - CAS no.: 142-28-9 mg/kg	<0.1
2,2-Dichloropropane - CAS no.: 594-20-7 mg/kg	<0.1
1,1-Dichloropropene - CAS no.: 563-58-6 mg/kg	<0.1
Ethylbenzene - CAS no.: 100-41-4 mg/kg	<0.1
Hexachloro-1,3-butadiene - CAS no.: 87-68-3 mg/kg	<0.1
iso-Propylbenzene - CAS no.: 98-82-8 mg/kg	<0.1
Chlorobenzene - CAS no.: 108-90-7 mg/kg	<0.1
Naphtalene - CAS no.: 91-20-3 mg/kg	<0.1
n-butylbenzene - CAS no.: 104-51-8 mg/kg	<0.1
n-propylbenzene - CAS no.: 103-65-1 mg/kg	<0.1
p-isopropyltoluene (p-cymene) - CAS no.: 99-87-6 mg/kg	<0.1
sec-butylbenzene - CAS no.: 135-98-8 mg/kg	<0.1
tert-butylbenzene - CAS no.: 98-06-6 mg/kg	<0.1
Styrene - CAS no.: 100-42-5 mg/kg	<0.1
1,1,2,2-tetrachloroethane - CAS no.: 79-34-5 mg/kg	<0.1
1,1,1,2-tetrachloroethane - CAS no.: 630-20-6 mg/kg	<0.1
Tetrachloroethylene - CAS no.: 127-18-4 mg/kg	<0.1
Tetrachloromethane - CAS no.: 56-23-5 mg/kg	<0.1
Toluene - CAS no.: 108-88-3 mg/kg	<0.1
Trans-1,2-dichloroethylene - CAS no.: 156-60-5 mg/kg	<0.1
1,2,3-Trichlorobenzene - CAS no.: 87-61-6 mg/kg	<0.1
1,2,4-Trichlorobenzene - CAS no.: 120-82-1 mg/kg	<0.1
1,1,2-trichloroethane - CAS no.: 79-00-5 mg/kg	<0.1
1,1,1-trichloroethane - CAS no.: 71-55-6 mg/kg	<0.1
Trichloroethylene - CAS no.: 79-01-6 mg/kg	<0.1
Chloroform (trichloromethane) - CAS no.: 67-66-3 mg/kg	<0.1
1,2,3-Trichloropropane - CAS no.: 96-18-4 mg/kg	<0.1
1,2,4-trimethylbenzene - CAS no.: 95-63-6 mg/kg	<0.1
1,3,5-trimethylbenzene - CAS no.: 108-67-8 mg/kg	<0.1
Xylene (meta-, para-) - CAS no.: 1330-20-7 mg/kg	<0.1
Xylene (ortho-) - CAS no.: 95-47-6 mg/kg	<0.1
Total of the solvents analysed mg/kg	<0.1



Brand Manufacturer Denomination	JOONE
Batch no. Formaldehyde - Spectrophotometry - §64 LFGB B 82.02-1	ULTRA-SOFT NAPPIES PREMIUM PROTECTION LEON THE BEAR CUB BAG SIZE 4 MAXI (7 - 14KG) X48 4AC 22:58 065 03/2019/FR
Formaldehyde - CAS no.: 50-00-0 mg/kg	<10
EOX/AOX	
EOX (extractable organic halogens) mg/kg	<2
AOX (absorbable organic halogens) mg/kg	<0.5
Polycyclic aromatic hydrocarbons (PAHs) - GC/MS - AfPS GS 2014 - materials	
Naphthalene - CAS no.: 91-20-3 mg/kg	<0.1
Acenaphthylene - CAS no.: 208-96-8 mg/kg	<0.1
Acenaphthene - CAS no.: 83-32-9 mg/kg	<0.1
Fluorene - CAS no.: 86-73-7 mg/kg	<0.1
Phenanthrene - CAS no.: 85-01-8 mg/kg	<0.1
Anthracene - CAS no.: 120-12-7 mg/kg	<0.1
Fluoranthene - CAS no.: 206-44-0 mg/kg	<0.1
Pyrene - CAS no.: 129-00-0 mg/kg	<0.1
Benzo(a)anthracene - CAS no.: 56-55-3 mg/kg	<0.1
Chrysene - CAS no.: 218-01-9 mg/kg	<0.1
Benzo(b)fluoranthene - CAS no.: 205-99-2 mg/kg	<0.1
Benzo(k)fluoranthene - CAS no.: 207-08-9 mg/kg	<0.1
Benzo(j)-fluoranthene - CAS no.: 205-82-3 mg/kg	<0.1
Benzo(a)pyrene - CAS no.: 50-32-8 mg/kg	<0.1
Benzo(e)pyrene - CAS no.: 192-97-2 mg/kg	<0.1
Indeno-(1,2,3-cd)-pyrene - CAS no.: 193-39-5 mg/kg	<0.1
Dibenzo(ah)anthracene - CAS no.: 53-70-3 mg/kg	<0.1
Benzo(ghi)Perylene - CAS no.: 191-24-2 mg/kg	<0.1
Total of 18 HAP mg/kg	<0.2
Bisphenol A and F - LC/MS/MS - internal - for plastic materials and packaging	
Bisphenol A - CAS no.: 80-05-7 mg/kg	<1
Bisphenol F - CAS no.: 2467-02-9 mg/kg	<1
Polychlorinated biphenyls (PCB) - GC/MS - EN ISO 15318	
PCB IUPAC no. 18 mg/kg	<0.01
PCB 101 - CAS no.: 37680-73-2 mg/kg	<0.01
PCB 138 - CAS no.: 35065-28-2 mg/kg	<0.01
PCB 153 - CAS no.: 35065-27-1 mg/kg	<0.01
PCB 180 - CAS no.: 35065-29-3 mg/kg	<0.01
PCB 28 - CAS no.: 7012-37-5 mg/kg	<0.01
PCB 52 - CAS no.: 35693-99-3 mg/kg	<0.01
Organochlorine pesticides + pyrethroids - GC/ECD - ASU L 00.00-34:2010-09	
Screened pesticides	Not detected
Nonylphenol, octylphenol, nonylphenolmonoethoxylate	
Nonylphénoldiethoxylate - CAS no.: 20427-84-3 mg/kg	<5
Nonylphenol monoethoxylates mg/kg	<5
4-tert-octylphenol - CAS no.: 140-66-9 mg/kg	<1
Nonylphenol isomers mg/kg	<5



Brand Manufacturer Denomination Batch no.	JOONE -- ULTRA-SOFT NAPPIES PREMIUM PROTECTION LEON THE BEAR CUB BAG SIZE 4 MAXI (7 - 14KG) X48
1,2-Benzene dicarboxylic acid, dihexyl ester, - GC/MS - CPSC-CH-C1001-09.4 Diisohexyl phthalate - CAS no.: 68515-50-4 mg/kg	<5
,2-Benzene dicarboxylic acid, dipentyl ester - GC/MS - CPSC-CH-C1001-09.4 Phthalic acid, n-pentyl-isopentyl ester (DPP) - CAS no.: 84777-06-0 mg/kg	<5
Di-C6-C10 alkylphthalates in materials - GC/MS - CPSC-CH-C1001-09.4 C6-C10 Mixed phthalates mg/kg	<50
Extractable content of Di-n-octyle phtalate (DNOP) - GC/MS - CPSC-CH-C1001-09.4 Di-n-octylphthalate (DnOP) - CAS no.: 117-84-0 mg/kg	<5
Extractable content of Dicyclohexyl phtalate (DCP) - GC/MS - CPSC-CH-C1001-09.4 Dicyclohexylphthalate (DCHP) - CAS no.: 84-61-7 mg/kg	<5
Extractable content of Diisononyl phtalate (DINP) - GC/MS - CPSC-CH-C1001-09.4 Diisononylphthalate (DINP) - CAS no.: 68515-48-0 mg/kg	<30
Extractable content of Diisodecyl phtalate (DIDP) - GC/MS - CPSC-CH-C1001-09.3 Diisodecylphthalate (DIDP) - CAS no.: 26761-40-0 mg/kg	<30
Extractable content of Diisobutyl phtalate (DIBP) - GC/MS - CPSC-CH-C1001-09.4 Di-isobutyl phtalate (DIBP) - CAS no.: 84-69-5 mg/kg	<5
Extractable content of Dibutyl phtalate (DBP) - GC/MS - CPSC-CH-C1001-09.4 Di-n-butylphthalate (DnBP) - CAS no.:84-74-2 mg/kg	<5
Extractable content of Di-n-hexyl phtalate (DnHP) - GC/MS - CPSC-CH-C1001-09.4 Dihexyl phthalate (DHP) - CAS no.: 84-75-3 mg/kg	<5
Extractable content of Benzylbutyl phtalate (BBP) - GC/MS - CPSC-CH-C1001-09.4 Benzyl butyl phtalate (BBP) - CAS no.: 85-68-7 mg/kg	<5
Extractable content of di(ethylhexyl) phtalate (DEHP) - GC/MS - CPSC-CH-C1001-09.4 Bisethylhexylphthalate (DEHP) - CAS no.: 117-81-7 mg/kg	<5
Extractable content of Di-n-pentyl phtalate (DNPP) - GC/MS - CPSC-CH-C1001-09.4 Di-n-pentyl phtalate (DnPP) - CAS no.: 131-18-0 mg/kg	<5
Extractable content of n-Pentylisopentyl phtalate (PIPP) - GC/MS - CPSC-CH-C1001-09.4 n-Pentylisopentyl phtalate - CAS no.: 776297-69-9 mg/kg	<5
Extractable content of Diisopentyl phtalate (DIPP) - GC/MS - CPSC-CH-C1001-09.4 Di-(isopentyl) phthalate (DiPP) - CAS no.: 605-50-5 mg/kg	<5
Extractable content of di(2-methoxyethyl) phtalate (DMEP) - GC/MS - CPSC-CH-C1001-09.4 Di-(2-methoxyethyl)phthalate (DMEP) - CAS no.: 117-82-8 mg/kg	<10
Extractable content of Diisoheptyl phtalate (DIHP) - GC/MS - CPSC-CH-C1001-09.4 Diisoheptylphthalate (DIHP) - CAS no.: 41451-28-9 mg/kg	<25
Extractable content of Diheptylnonylundecyl phtalate (DHNUP) - GC/MS - CPSC-CH-C1001-09.4 Di-heptylnonylundecyl phtalate (DHNUP) - CAS no.: 68515-42-4 mg/kg	<50



Brand	JOONE
Manufacturer	--
Denomination	ULTRA-SOFT NAPPIES PREMIUM PROTECTION LEON THE BEAR CUB BAG SIZE 4 MAXI (7 - 14KG)
Batch no.	X48
Allergens according to EC no.: 1223/2009 - GC/MS - Internal	
alpha-Terpineol - CAS no.: 10482-56-1 mg/kg	<1
Acetylcedrene - CAS no.: 32388-55-9 mg/kg	<1
Amyl Cinnamal - CAS no.: 122-40-7 mg/kg	<1
Amylcinnamylalcohol - CAS no.: 101-85-9 mg/kg	<1
Amyl salicylate - CAS no.: 2050-08-0 mg/kg	<1
trans-Anethole - CAS no.: 4180-23-8 mg/kg	<1
Anise Alcohol - CAS no.: 105-13-5 mg/kg	<1
Benzaldehyde - CAS no.: 100-52-7 mg/kg	<1
Benzylalcohol - CAS no.: 100-51-6 mg/kg	<1
Benzylbenzoate - CAS no.: 120-51-4 mg/kg	<1
Benzylcinnamate - CAS no.: 103-41-3 mg/kg	<1
Benzylsalicylate - CAS no.: 118-58-1 mg/kg	<1
Butylphenyl Methylpropional - CAS no.: 80-54-6 mg/kg	<1
Camphor - CAS no.: 76-22-2 mg/kg	<1
(E) beta-caryophyllene - CAS no.: 87-44-5 mg/kg	<1
Carvone - CAS no.: 99-49-0 mg/kg	<1
Cinnamal - CAS no.: 104-55-2 mg/kg	<1
Cinnamyl alcohol - CAS no.: 104-54-1 mg/kg	<1
Citral - CAS no.: 5392-40-5 mg/kg	<1
Citronellol - CAS no.: 106-22-9 mg/kg	<1
Coumarin - CAS no.: 91-64-5 mg/kg	<1
Rose Ketone-4 - CAS no.: 23696-85-7 mg/kg	<1
alpha-Damascone (TMCHB) - CAS no.: 23726-94-5 mg/kg	<1
cis-beta-Damascone - CAS no.: 23726-92-3 mg/kg	<1
delta-Damascone 5 - CAS no.: 7378-68-4 mg/kg	<1
Dimethylbenzyl carbonyl acetate (DMBCA) - CAS no.: 151-05-3 mg/kg	<1
Eugenol - CAS no.: 97-53-0 mg/kg	<1
Farnesol - CAS no.: 4602-84-0 mg/kg	<1
Geraniol - CAS no.: 106-24-1 mg/kg	<1
Hexadecanolactone - CAS no.: 109-29-5 mg/kg	<1
Hexamethylindanopyran - CAS no.: 1222-05-5 mg/kg	<1
Hexylcinnamal - CAS no.: 101-86-0 mg/kg	<1
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde - CAS no.: 31906-04-4 mg/kg	<1
Hydroxycitronellal - CAS no.: 107-75-5 mg/kg	<1
Isoeugenol - CAS no.: 97-54-1 mg/kg	<1
Alpha-Isomethyl Ionone - CAS no.: 127-51-5 mg/kg	<1
Limonene (major form) mg/kg	<1
Linalool (major form) - CAS no.: 78-70-6 mg/kg	<1
Menthol - CAS no.: 1490-04-6 mg/kg	<1
6-Methylcoumarin (Toncarine) - CAS no.: 92-48-8 mg/kg	<1
Methyl 2-Octynoate - CAS no.: 111-12-6 mg/kg	<1
Methyl salicylate - CAS no.: 119-36-8 mg/kg	<1
3-Methyl-5-(2,2,3-Trimethyl-3-cyclopentenyl)pent-4-en-2-ol - CAS no.: 67801-20-1 mg/kg	<1
Alpha-pinene - CAS no.: 80-56-8 mg/kg	<1
Beta-Pinene - CAS no.: 127-91-3 mg/kg	<1
Propylidene phthalide - CAS no.: 17369-59-4 mg/kg	<1
Salicylaldehyde - CAS no.: 90-02-8 mg/kg	<1
Sclareol - CAS no.: 515-03-7 mg/kg	<1
Terpineol (mixture of isomers) - CAS no.: 8000-41-7 mg/kg	<1
alpha-terpinene - CAS no.: 99-86-5 mg/kg	<1
Terpinolene - CAS no.: 586-62-9 mg/kg	<1
Tetramethyl acetyloctahydronaphthalenes - CAS no.: 54464-57-2 mg/kg	<1
Majantol - CAS no.: 103694-68-4 mg/kg	<1
Vanillin - CAS no.: 121-33-5 mg/kg	<1
Lynalyl acetate - CAS no.: 115-95-7 mg/kg	<1
Eugenyl acetate - CAS no.: 93-28-7 mg/kg	<1
Isoeugenyl acetate - CAS no.: 93-29-8 mg/kg	<1
Geranyl acetate mg/kg	<1
(Z) alpha-santalol - CAS no.: 115-71-9 mg/kg	<1
(Z) beta-santalol - CAS no.: 77-42-9 mg/kg	<1



5. APPENDIX

[logo]

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