

Kambukka bvba  
Torenplein 7.16.1, 3500 Hasselt, BELGIUM

**DEKRA Testing and Certification (Shanghai) Ltd  
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Date: 2015-05-05  
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## TEST REPORT

**Test Report No. : 4322184.54**

**Project No. : 4322184.00**

Applicant : Kambukka bvba  
Torenplein 7.16.1, 3500 Hasselt, BELGIUM

Product Name : Ashland

Model No. : 71430

Test Requested : Selected test(s) as requested by applicant, REACH SVHC assessment is performed according to:

- One hundred and sixty-one (161) substances in the Candidate List of Substances of Very High Concern for authorization updated till December 17, 2014.
- Analysis based on LCMS, GCMS, GC, IC-ECD, ICP-OES/AAS and UV-VIS.

Test Method : Please refer to next pages


Sample Received : 2015-04-17

Testing Period : 2015-04-17 to 2015-04-22

Reference No. : CTT150414357EN

Test Results  
- following pages -

**Resume:**

<p style="text-align: center;"><b>Parameter</b></p>	<p><b>Product Name: Ashland Model No.: 71430</b></p>
	
<p>One hundred and sixty-one (161) substances in the Candidate List of SVHC</p>	<p>Less than 0.1% (w/w) in the submitted sample</p>

Guangzhou, May 5, 2015

Signed for and on behalf of

**DEKRA Testing and Certification (Shanghai) Ltd. Guangzhou Branch**

Chemical, Hardgoods & Toys



Raymond Yu  
Manager

Attention: Please note that every statement made in this report is only valid for the samples tested and reported herein. This report shall not be reproduced except in full, without the written approval of the testing laboratory.

## SAMPLE DESCRIPTION & QUANTITY AMOUNT

Group description	Weight, in gram	Weight, in % (w/w)
1. Plastic & silica gel & paint components	199.276	99.19
2. Metal components	1.621	0.81
Product	200.897	100

Remark:

- The sample as received is tested as composite mixture (w/w of the sample composition listed in this report)

## TEST RESULTS

- Analysis of the 161 substances of very high concern (SVHC) on the Candidate List for authorization, concerning Regulation (EC) No. 1907/2006 as published on the European Chemicals Agency (ECHA) website in October 2008, January 2010, March 2010, June 2010, December 2010, June 2011, December 2011, June 2012, December 2012, June 2013, December 2013, June 2014 and December 2014.
- Analysis based on LCMS, GCMS, GC, IC-ECD, ICP-OES/AAS and UV-VIS.

Parameters	Result [% by Weight]	Recommended Limit
	Ashland	
One hundred and sixty-one substances of very high concern	< 0.1	< 0.1% (w/w)

Remark:

1. < = Less than
2. % = Percentage

No.	Substance	CAS No.	RL [%]
1	Anthracene	120-12-7	0.005
2	4,4'- Diaminodiphenylmethane	101-77-9	0.005
3	Dibutyl phthalate (DBP)	84-74-2	0.005
4	Cobalt dichloride *	7646-79-9	0.005
5	Diarsenic pentaoxide*	1303-28-2	0.005
6	Diarsenic trioxide *	1327-53-3	0.005
7	Sodium dichromate *	7789-12-0 10588-01-9	0.005
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.005
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	0.005
10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ – HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	25637-99-4 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	0.005
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.01
12	Bis(tributyltin)oxide (TBTO)*	56-35-9	0.005
13	Lead hydrogen arsenate *	7784-40-9	0.005
14	Benzyl butyl phthalate (BBP)	85-68-7	0.005
15	Triethyl arsenate *	15606-95-8	0.005

16	Anthracene oil <sup>§</sup>	90640-80-5	0.05
17	Anthracene oil, anthracene paste, distn. lights <sup>§</sup>	91995-17-4	0.05
18	Anthracene oil, anthracene paste, anthracene fraction <sup>§</sup>	91995-15-2	0.05
19	Anthracene oil, anthracene-low <sup>§</sup>	90640-82-7	0.05
20	Anthracene oil, anthracene paste <sup>§</sup>	90640-81-6	0.05
21	Pitch, coal tar, high temp. <sup>§</sup>	65996-93-2	0.05
22	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
23	Zirconia Aluminosilicate, Refractory Ceramic Fibres*	-	0.005
24	2,4-Dinitrotoluene	121-14-2	0.01
25	Diisobutyl phthalate	84-69-5	0.01
26	Lead chromate*	7758-97-6	0.01
27	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.01
29	Tris(2-chloroethyl)phosphate(TCEP)	115-96-8	0.01
30	Acrylamide	79-06-1	0.01
31	Trichloroethylene	79-01-6	0.01
32	Boric Acid*	10043-35-3 11113-50-1	0.01
33	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3	0.01
34	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.01
35	Sodium chromate*	7775-11-3	0.01
36	Potassium chromate*	7789-00-6	0.01
37	Ammonium dichromate*	7789-09-5	0.01
38	Potassium dichromate*	7778-50-9	0.01
39	Cobalt(II) sulphate *	10124-43-3	0.01
40	Cobalt(II) dinitrate *	10141-05-6	0.01
41	Cobalt(II) carbonate*	513-79-1	0.01
42	Cobalt(II) diacetate*	71-48-7	0.01
43	2-Methoxyethanol	109-86-4	0.01
44	2-Ethoxyethanol	110-80-5	0.01
45	Chromium trioxide*	1333-82-0	0.01
46	Acids generated from chromium trioxide and their oligomers: a.Chromic acid* b.Dichromic acid* c.Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.01
47	2-Ethoxyethyl acetate (2-EEA)	111-15-9	0.01
48	Strontium chromate*	7789-06-2	0.01
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) <sup>§</sup>	68515-42-4	0.01

50	Hydrazine	7803-57-8, 302-01-2	0.01
51	1-Methyl-2-pyrrolidone	872-50-4	0.01
52	1,2,3-Trichloropropane	96-18-4	0.01
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	0.01
54	1,2-Dichloroethane	107-06-2	0.01
55	2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.01
56	2-Methoxyaniline, o-Anisidine	90-04-0	0.01
57	4-(1,1,3,3-Tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	0.01
58	Arsenic acid*	7778-39-4	0.01
59	Bis(2-methoxyethyl) ether	111-96-6	0.01
60	Bis(2-methoxyethyl) phthalate	117-82-8	0.01
61	Calcium arsenate*	7778-44-1	0.01
62	Dichromium tris(chromate)*	24613-89-6	0.01
63	Formaldehyde, oligomeric reaction products with aniline (technical MDA) <sup>§</sup>	25214-70-4	0.01
64	Lead diazide*	13424-46-9	0.01
65	Lead dipicrate*	6477-64-1	0.01
66	Lead styphnate*	15245-44-0	0.01
67	N,N-dimethylacetamide (DMAC)	127-19-5	0.05
68	Pentazinc chromate octahydroxide*	49663-84-5	0.05
69	Phenolphthalein	77-09-8	0.01
70	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.01
71	Trilead diarsenate*	3687-31-8	0.01
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.01
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.01
74	Diboron trioxide*	1303-86-2	0.01
75	Formamide	75-12-7	0.01
76	Lead(II) bis(methanesulfonate)*	17570-76-2	0.05
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)	2451-62-9	0.01
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	0.01
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	0.01
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.01
81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	0.01

82	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	0.01
83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	0.01
84	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	0.01
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	0.01
86	N,N-dimethylformamide; dimethyl formamide	68-12-2	0.01
87	Methoxy acetic acid	625-45-6	0.01
88	Dibutyltin dichloride (DBT)*	683-18-1	0.01
89	1,2-Diethoxyethane	629-14-1	0.01
90	Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	0.01
91	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	0.01
92	4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	0.01
93	Heptacosafuorotetradecanoic acid	376-06-7	0.01
94	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.01
95	Henicosafuoroundecanoic acid	2058-94-8	0.01
96	N-pentyl-isopentylphthalate (iPnPP)	776297-69-9	0.01
97	Pentacosafuorotridecanoic acid	72629-94-8	0.01
98	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	0.01
99	Tricosafuorododecanoic acid	307-55-1	0.01
100	Lead bis(tetrafluoroborate)*	13814-96-6	0.01
101	Lead tetroxide (orange lead)*	1314-41-6	0.01
102	Diethyl sulphate	64-67-5	0.01
103	Dinoseb	88-85-7	0.01
104	Lead Titanium Zirconium Oxide*	12626-81-2	0.01
105	Acetic acid, lead salt, basic*	51404-69-4	0.01

106	Furan	110-00-9	0.01
107	N-methylacetamide	79-16-3	0.01
108	o-Toluidine; 2-Aminotoluene	95-53-4	0.01
109	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.01
110	4,4'-oxydianiline and its salts	101-80-4	0.01
111	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)*	69011-06-9	0.01
112	Lead titanium trioxide*	12060-00-3	0.01
113	Lead oxide sulphate*	12036-76-9	0.01
114	Lead dinitrate*	10099-74-8	0.01
115	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	0.01
116	Lead cyanamidate*	20837-86-9	0.01
117	Tetralead trioxide sulphate*	12202-17-4	0.01
118	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	0.01
119	Pyrochlore, antimony lead yellow*	8012-00-8	0.01
120	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.01
121	Dimethyl sulphate	77-78-1	0.01
122	Dioxobis(stearato)trilead*	12578-12-0	0.01
123	Silicic acid, barium salt, lead-doped*	68784-75-8	0.01
124	Biphenyl-4-ylamine	92-67-1	0.01
125	Lead oxide (lead monoxide)*	1317-36-8	0.01
126	Pentalead tetraoxide sulphate*	12065-90-6	0.01
127	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	0.01
128	Silicic acid, lead salt*	11120-22-2	0.01
129	Trilead dioxide phosphonate*	12141-20-7	0.01
130	o-aminoazotoluene	97-56-3	0.01
131	1-bromopropane	106-94-5	0.01
132	6-methoxy-m-toluidine (p-cresidine)	120-71-8	0.01
133	4,4'-methylenedi-o-toluidine	838-88-0	0.01
134	Tetraethyllead*	78-00-2	0.01
135	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01
136	Fatty acids, C16-18, lead salts*	91031-62-8	0.01
137	Diisopentylphthalate	605-50-5	0.01
138	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.01
139	Cadmium	7440-43-9	0.005
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.01
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.01
142	Dipentyl phthalate (DPP)	131-18-0	0.005



143	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	0.01
144	Cadmium oxide*	1306-19-0	0.01
145	Cadmium sulphide*	1306-23-6	0.01
146	Dihexyl phthalate	84-75-3	0.01
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.005
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.005
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	0.01
150	Lead di(acetate) *	301-04-2	0.01
151	Trixylyl phosphate	25155-23-1	0.01
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.01
153	Cadmium chloride *	10108-64-2	0.01
154	Sodium perborate * perboric acid, sodium salt *	--	0.01
155	Sodium peroxometaborate *	7632-04-4	0.01
156	Cadmium fluoride *	7790-79-6	0.01
157	Cadmium sulphate *	10124-36-4; 31119-53-6	0.01
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.01
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.01
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.01
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	0.01

## Remark:

1. RL = Report Limit
2. '\*' denotes concentration of the SVHC was conversion of test results of the corresponding metal ion or element.
3. '§' The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological material), the test results are calculated based on the main constituents.

---End of Report---