

Customer details: ErgoFloor A/S  
Viborgvej 9  
DK-7160 Tørring  
Denmark

SATRA reference: CHM0235259/1522/  
SMcD/B

Your reference:

Date of report: 16<sup>th</sup> July 2015

Samples received: 29<sup>th</sup> May 2015

For the attention of: Uffe Molgaard

Date(s) work  
carried out: 17<sup>th</sup> June – 14<sup>th</sup> July  
2015

## TECHNICAL REPORT

Subject: REACH Candidate list substances screening on floor tiles described as 45mm  
ErgoPlay rubber tiles

### Conditions of Issue:

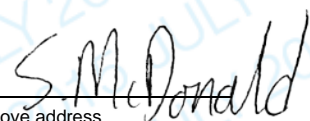
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Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

**A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.**

The uncertainty of the results (UoM) in this report is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , which provides for a confidence level of approximately 95%.

Report signed by: S McDonald  
Position: Chemical Technologist  
Department: Chemical & Analytical Technology



**WORK REQUESTED:**

Floor tiles described as 45mm ErgoPlay rubber tiles were received on the 29<sup>th</sup> May 2015 to determine whether substances on the REACH candidate list were present. Testing was based on a risk assessment approach, see appendices table 1.

**SAMPLES RECEIVED:**

- 45mm ErgoPlay rubber tiles

**CONCLUSIONS:**

The samples described as 45mm ErgoPlay rubber tiles were assessed in accordance with REACH candidate list and none of the analytes tested for were detected in the samples above the stated requirements.

A full list of the substances of high concern selected for analysis can be found in the appendices table 1.

Full results are reported in the following tables.

**TESTS REQUIRED:**

- BS EN 1122:2001 Plastics – Determination of Cadmium – Wet Decomposition Method (modified for the detection of Ti, Zr, Ba, Sn, Pb, Co, Cr, As, Na, B, Zn, Sr and K)
- Semi quantitative GC-MS analysis to determine levels of Anthracene using cyclohexane extraction
- Semi-quantitative GC-MS headspace analysis to determine the presence of any REACH candidate list VOCs listed in Table 2 of the Appendix
- SATRA SOP CAT-024:2014 – Determination of phthalates (In accordance with BS EN ISO 14389:2014 – Textiles – Determination of the phthalate content – Tetrahydrofuran method)

## RESULTS AND REQUIREMENTS:

BS EN 1122:2001 Plastics – Determination of Cadmium – Wet Decomposition Method (modified for the detection of Ti, Zr, Ba, Sn, Pb, Co, Cr, As, Na, B, Zn, Sr and K)

The samples were digested in nitric acid using microwave digestion and analysed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Symbol	Metal	45mm ErgoPlay rubber tiles (mg/kg)	Advisory threshold limit* (mg/kg)
As	Arsenic	10	150
B	Boron	22	50
Ba	Barium	17	250
Cd	Cadmium	2	100 <sup>2</sup>
Co	Cobalt	<1	250
Cr	Chromium	4	80
K	Potassium	999	200 <sup>1</sup>
Na	Sodium	1452	100 <sup>1</sup>
Pb	Lead	40	300
Sn	Tin	<1	350
Sr	Strontium	8	400
Ti	Titanium	71	150
Zn	Zinc	15580	300 <sup>3</sup>
Zr	Zirconium	5	250

The results are the mean of duplicate determinations.

\*Above this amount, the concentration of this metal may indicate the presence of one or more SVHCs listed the appendix.

Notes:

<sup>1</sup>Sodium and Potassium will only indicate the possible presence of a SVHC if another element is also present above its threshold, apart from zinc.

<sup>2</sup>Requirement under REACH Annex XVII entry number 23

<sup>3</sup> Pentazinc chromate octahydroxide and Potassium hydroxyoctadizincatedichromate would require both chromium and zinc to be present above their advisory threshold.



Semi quantitative GC-MS analysis to determine levels of Anthracene

Approximately 0.5g of sample was extracted using the appropriate solvent in an ultrasonic bath. The extract was then analysed using Gas chromatography with Mass-Spectroscopy detection for the presence of Anthracene.

Sample	Anthracene (mg/kg) – cyclohexane extraction	Pass/Obligations apply
45mm ErgoPlay rubber tiles	13.9	Pass
<b>Requirement</b>	<b>&lt;0.1% (1000mg/kg) by mass of the article</b>	

Quantitative GC-MS headspace analysis to determine the presence of any VOC compounds from the REACH Candidate List

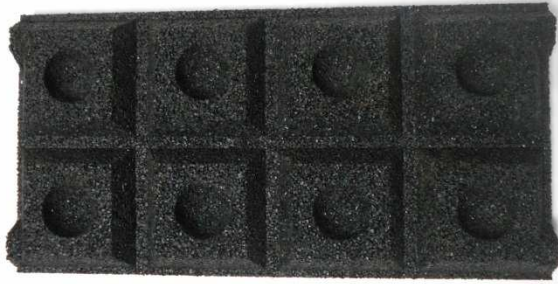
Approximately 1.0g of material was sampled and sealed in a 10ml headspace vial. The specimen was then heated to 140°C to drive the solvents into the headspace of the vials. The headspace was then sampled and injected into the GC-MS. A list of VOCs listed under the REACH Candidate List can be found in the appendix 2.

Sample	Candidate List VOCs (mg/kg)	Pass/Obligations apply
45mm ErgoPlay rubber tiles	None detected (<1mg/kg)	Pass
<b>Requirement</b>	<b>&lt;0.1% (1000mg/kg) by mass of the article</b>	

SATRA SOP CAT-024:2014 – Determination of phthalates (In accordance with BS EN ISO 14389:2014 – Textiles – Determination of the phthalate content – Tetrahydrofuran method)

Sample	Phthalate	Concentration (%) (based on total article weight)	Pass / Obligations apply
45mm ErgoPlay rubber tiles	DEHP <sup>1</sup>	0.017	Pass
	DBP <sup>1</sup>	None detected (<0.005)	Pass
	BBP <sup>1</sup>	None detected (<0.005)	Pass
	DIBP <sup>1</sup>	None detected (<0.005)	Pass
	DMEP <sup>1</sup>	None detected (<0.005)	Pass
	DnPP <sup>1</sup>	None detected (<0.005)	Pass
	DnHP <sup>1</sup>	None detected (<0.005)	Pass
	DIHP <sup>1</sup>	None detected (<0.005)	Pass
	DINP <sup>2</sup>	None detected (<0.005)	Pass
	DIDP <sup>2</sup>	None detected (<0.005)	Pass
	DnOP <sup>2</sup>	None detected (<0.005)	Pass
<b>Requirements</b>	<sup>1</sup> Less than 0.1% by mass of the article <sup>2</sup> Phthalate is not identified on the candidate list. Results are provided for information only.		

**APPENDICES:**



Sample described as 45mm ErgoPlay rubber tile



**TABLE 1**

REACH candidate list found on the ECHA website - Candidate List of Substances of Very High Concern (SVHCs) for authorisation published on the 16<sup>th</sup> December 2013.

Chemical	CAS number	Present / Not present
2,4-Dinitrotoluene (DNT)	121-14-2	-
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	-
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	-
Alkanes, C <sub>10-13</sub> , chloro (Short Chain Chlorinated Paraffins)	85535-84-8	-
<b>Anthracene*</b>	<b>120-12-7</b>	<b>&lt;0.1% detected</b>
Anthracene oil	90640-80-5	-
Anthracene oil, anthracene paste	90640-81-6	-
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	-
Anthracene oil, anthracene paste, distn. lights	91995-17-4	-
Anthracene oil, anthracene-low	90640-82-7	-
Pitch, coal tar, high temp.	65996-93-2	-
<b>Benzyl butyl phthalate (BBP)</b>	<b>85-68-7</b>	<b>Not present</b>
<b>Bis (2-ethylhexyl)phthalate (DEHP)</b>	<b>117-81-7</b>	<b>Not present</b>
Bis(tributyltin)oxide * (TBTO)	56-35-9	-
<b>Cobalt dichloride *</b>	<b>76-46-79-9</b>	<b>Not present</b>
<b>Diarsenic pentaoxide *</b>	<b>1303-28-2</b>	<b>Not present</b>
<b>Diarsenic trioxide *</b>	<b>1327-53-3</b>	<b>Not present</b>
<b>Dibutyl phthalate (DBP)</b>	<b>84-74-2</b>	<b>Not present</b>
<b>Diisobutyl phthalate (DIBP)</b>	<b>84-69-5</b>	<b>Not present</b>
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane, Beta-hexabromocyclododecane, Gamma-hexabromocyclododecane	25637-99-4 and 3194-55-6 (134237-51-7 / 134237- 50-6 / 134237-52-8)	-
<b>Lead chromate*</b>	<b>7758-97-6</b>	<b>Not present</b>
<b>Lead chromate molybdate sulphate red *</b> <b>(C.I. Pigment Red 104)</b>	<b>12656-85-8</b>	<b>Not present</b>
<b>Lead hydrogen arsenate *</b>	<b>7784-40-9</b>	<b>Not present</b>
<b>Lead sulfochromate yellow *</b> <b>(C.I. Pigment Yellow 34)</b>	<b>1344-37-2</b>	<b>Not present</b>
<b>Sodium dichromate *</b>	<b>7789-12-0 / 10588-01-9</b>	<b>Not present</b>
<b>Triethyl arsenate *</b>	<b>15606-95-8</b>	<b>Not present</b>
Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	-
Acrylamide	79-06-1	-
<b>Ammonium dichromate*</b>	<b>7789-09-5</b>	<b>Not present</b>
<b>Boric acid*</b>	<b>10043-35-3 / 11113-50-1</b>	<b>Not present</b>
<b>Disodium tetraborate anhydrous *</b>	<b>1303-96-4 / 1330-43-4 / 12179-04-3</b>	<b>Not present</b>

<b>Tetraboron disodium heptaoxide hydrate *</b>	<b>12267-73-1</b>	<b>Not present</b>
<b>Potassium chromate *</b>	<b>7789-00-6</b>	<b>Not present</b>
<b>Potassium dichromate*</b>	<b>7778-50-9</b>	<b>Not present</b>
<b>Sodium chromate*</b>	<b>7775-11-3</b>	<b>Not present</b>
<b>Trichloroethylene *</b>	<b>79-01-6</b>	<b>Not present</b>
<b>Chromium trioxide*</b>	<b>13333-82-0</b>	<b>Not present</b>
<b>Chromic acid, *</b> <b>Oligomers of chromic acid and dichromic acid,* Dichromic acid*</b>	<b>7738-94-5 / 13530-68-2</b>	<b>Not present</b>
<b>2-Methoxyethanol*</b>	<b>109-86-4</b>	<b>Not present</b>
<b>2-Ethoxyethanol*</b>	<b>110-80-5</b>	<b>Not present</b>
<b>Cobalt (II) carbonate*</b>	<b>513-79-1</b>	<b>Not present</b>
<b>Cobalt (II) diacetate*</b>	<b>71-48-7</b>	<b>Not present</b>
<b>Cobalt (II) dinitrate*</b>	<b>10141-05-6</b>	<b>Not present</b>
<b>Cobalt (II) sulphate*</b>	<b>10124-43-3</b>	<b>Not present</b>
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	-
<b>1,2,3-Trichloropropane*</b>	<b>96-18-4</b>	<b>Not present</b>
1-Methyl-2-pyrrolidone	872-50-4	-
Hydrazine	302-01-2 / 7803-57-8	-
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	-
<b>Strontium chromate*</b>	<b>7789-06-2</b>	<b>Not present</b>
<b>2-Ethoxyethyl acetate*</b>	<b>111-15-9</b>	<b>Not present</b>
<b>Lead dipicrate*</b>	<b>6477-64-1</b>	<b>Not present</b>
<b>Lead styphnate*</b>	<b>15245-44-0</b>	<b>Not present</b>
<b>Lead diazide, Lead azide*</b>	<b>13424-46-9</b>	<b>Not present</b>
Phenolphthalein	77-09-8	-
<b>2,2'-dichloro-4,4'-methylenedianiline (MOCA)*</b>	<b>101-14-4</b>	<b>Not present</b>
N,N-dimethylacetamide (DMAC)	127-19-5	-
<b>Trilead diarsenate*</b>	<b>3687-31-8</b>	<b>Not present</b>
<b>Calcium arsenate*</b>	<b>7778-44-1</b>	<b>Not present</b>
<b>Arsenic acid*</b>	<b>7778-39-4</b>	<b>Not present</b>
<b>Bis(2-methoxyethyl) ether*</b>	<b>111-96-6</b>	<b>Not present</b>
<b>1,2 -Dichloroethane*</b>	<b>107-06-2</b>	<b>Not present</b>
4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	-
2-Methoxyaniline/ o-Anisidine	90-04-0	-
<b>Bis(2-methoxyethyl) phthalate*</b>	<b>117-82-8</b>	<b>Not present</b>
Formaldehyde oligomeric reaction products with aniline	25214-70-4	-
Zirconia Aluminosilicate Refractory Ceramic Fibres	-	-
Aluminosilicate Refractory Ceramic Fibres	-	-
<b>Pentazinc chromate octahydroxide*</b>	<b>49663-84-5</b>	<b>Not present</b>
<b>Potassium hydroxyoctadizincatedichromate*</b>	<b>11103-86-9</b>	<b>Not present</b>
<b>Dichromium tris (chromate)*</b>	<b>24613-89-6</b>	<b>Not present</b>
4,4'-bis(dimethylamino)-4''- (methylamino)trityl	561-41-1	-



alcohol with $\geq 0.1\%$ of Michler's ketone or Michler's base		
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (CI Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone or Michler's base]	2580-56-5	-
[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (CI Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone or Michler's base]	548-62-9	-
$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (CI Solvent Blue 4) ) [with $\geq 0.1\%$ of Michler's ketone or Michler's base]	6786-83-0	-
<b>Diboron Trioxide*</b>	<b>1303-86-2</b>	<b>Not present</b>
EGDME (1,2-dimethoxyethane; ethylene glycol dimethyl ether)	110-71-4	-
Formamide	75-12-7	-
<b>Lead (II) bis (methanesulphonate)*</b>	<b>17570-76-2</b>	<b>Not present</b>
Michler's Base (N,N,N',N'-tetramethyl-4,4'-methylenedianiline)	101-61-1	-
Michler's ketone (4,4'-bis (dimethylamino) benzophenone)	90-94-8	-
TGIC (1,3,5-tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione)	2451-62-9	-
$\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazinane-2,4,6 (1H,3H,5H)-trione)	59653-74-6	-
Triglyme (1,2-bis(2-methoxyethoxy) ethane)	112-49-2	-
Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	-
Pentacosafuorotridecanoic acid	72629-94-8	-
Tricosafuorododecanoic acid	307-55-1	-
Henicosafuoroundecanoic acid	2058-94-8	-
Heptacosafuorotetradecanoic acid	376-06-7	-
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-
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 there of.	-	-
Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7, 13149-00-3, 14166-21-3	-
Hexahydromethylphthalic anhydride,	25550-51-0,	-

Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	19438-60-9, 48122-14-1, 57110-29-9	-
Methoxy acetic acid	625-45-6	-
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	-
Diisopentylphthalate (DIPP)	605-50-5	-
N-pentyl-isopentylphthalate	776297-69-9	-
1,2-Diethoxyethane	629-14-1	-
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide))	123-77-3	-
N,N-dimethylformamide; dimethyl formamide	68-12-2	-
Dibutyltin dichloride (DBT)*	683-18-1	-
<b>Acetic acid, lead salt, basic*</b>	<b>51404-69-4</b>	<b>Not present</b>
<b>Basic lead carbonate (trilead bis(carbonate) dihydroxide)*</b>	<b>1319-46-6</b>	<b>Not present</b>
<b>Lead oxide sulfate (basic lead sulfate)*</b>	<b>12036-76-9</b>	<b>Not present</b>
<b>[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*</b>	<b>69011-06-9</b>	<b>Not present</b>
<b>Dioxobis(stearato)trilead*</b>	<b>12578-12-0</b>	<b>Not present</b>
<b>Fatty acids, C16-18, lead salts*</b>	<b>91031-62-8</b>	<b>Not present</b>
<b>Lead bis(tetrafluoroborate)*</b>	<b>13814-96-5</b>	<b>Not present</b>
<b>Lead cyanamate*</b>	<b>20837-86-9</b>	<b>Not present</b>
<b>Lead dinitrate*</b>	<b>10099-74-8</b>	<b>Not present</b>
<b>Lead oxide (lead monoxide)*</b>	<b>1317-36-8</b>	<b>Not present</b>
<b>Lead tetroxide (orange lead)*</b>	<b>1314-41-6</b>	<b>Not present</b>
<b>Lead titanium trioxide*</b>	<b>12060-00-3</b>	<b>Not present</b>
<b>Lead Titanium Zirconium Oxide*</b>	<b>12626-81-2</b>	<b>Not present</b>
<b>Pentalead tetraoxide sulphate*</b>	<b>12065-90-6</b>	<b>Not present</b>
<b>Pyrochlore, antimony lead yellow*</b>	<b>8012-00-8</b>	<b>Not present</b>
<b>Silicic acid, barium salt, lead-doped*</b>	<b>68784-75-8</b>	<b>Not present</b>
<b>Silicic acid, lead salt*</b>	<b>11120-22-2</b>	<b>Not present</b>
<b>Sulfurous acid, lead salt, dibasic*</b>	<b>62229-08-7</b>	<b>Not present</b>
<b>Tetraethyllead*</b>	<b>78-00-2</b>	<b>Not present</b>
<b>Tetralead trioxide sulphate*</b>	<b>12202-17-4</b>	<b>Not present</b>
<b>Trilead dioxide phosphonate*</b>	<b>12141-20-7</b>	<b>Not present</b>
Furan	110-00-9	-
Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	-
Diethyl sulphate	64-67-5	-
Dimethyl sulphate	77-78-1	-
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine	143860-04-2	-
Dinoseb	88-85-7	-
4,4'-methylenedi-o-toluidine	838-88-0	-
4,4'-oxydianiline and its salts	101-80-4	-
4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	-
4-methyl-m-phenylenediamine (2,4- toluenediamine)	95-80-7	-



6-methoxy-m-toluidine (p-cresidine)	120-71-8	-
Biphenyl-4-ylamine	92-67-1	-
o-aminoazotoluene	97-56-3	-
o-Toluidine; 2-Aminotoluene	95-53-4	-
N-methylacetamide	79-16-3	-
1-bromopropane; n-propyl bromide	106-94-5	-
<b>Cadmium *</b>	<b>7440-43-9</b>	<b>Not present</b>
<b>Cadmium oxide*</b>	<b>1306-19-0</b>	<b>Not present</b>
pentadecafluorooctanoic acid (PFOA);	335-67-1	-
ammonium pentadecafluorooctanoate (APFO);	3825-26-1	-
dipentyl phthalate (DPP);	131-18-0	-
4-nonylphenol, branched and linear, ethoxylated		-
<b>Cadmium sulphide*</b>	1306-23-6	<b>Not present</b>
Disodium 3,3'- [[1,1'-biphenyl]-4,4'-diylbis (azo)] bis (4-aminonaphthalene-1-sulphonate)	573-58-0	-
Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl) azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo) naphthalene-2,7-disulphonate	1937-37-7	-
Di-n-hexyl Phthalate	84-75-3	-
Imidazolidine-2-thione (Ethylene Thiourea/ 2-imidazoline-2-thiol)	96-45-2	-
<b>Lead di(acetate)*</b>	<b>301-04-2</b>	<b>Not present</b>
Trixylyl phosphate (TXP)	25155-23-1	-
1,2-Benzenedicarboxylic acid, dihexyl ester, Branched and linear	68515-50-4	-
<b>Sodium perborate; perboric acid, sodium salt*</b>	<b>15120-21-5/ 11138-47-9</b>	<b>Not present</b>
<b>Sodium peroxometaborate*</b>	<b>7632-04-4</b>	<b>Not present</b>
<b>Cadmium chloride*</b>	<b>10108-64-2</b>	<b>Not present</b>

\*Based on a risk assessment and our experience these substances have been identified as having a higher risk of being present, and therefore have been selected for assessment.

**TABLE 2 - REACH Candidate List VOCs that can be detected by GC-MS Headspace**

Chemical	CAS number
2-Ethoxyethyl Acetate	111-15-9
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4
Bis(2-methoxyethyl) ether	111-96-6
1,2-Dichloroethane	107-06-2
Trichloroethylene	79-01-6
2-Methoxyethanol	109-86-4
2-Ethoxyethanol	110-80-5
1,2,3-Trichloropropane	96-18-4



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1. **GENERAL**  
Work done or services undertaken are subject to the terms and conditions detailed below and all other conditions, warranties and representations, expressed or implied are hereby excluded.
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Prices are based on current material and production costs, exchange rates, duty and freight and are subject to change without notice.
3. **DELIVERY ESTIMATES**  
Delivery estimates are made in good faith and date from receipt of a written order and full information to enable us to proceed. While SATRA or its subsidiaries (hereafter referred to as "SATRA") make every effort to fulfil them, such estimates are subject to unforeseen events and if not maintained, cannot give rise to any claim. Offers "ex stock" are subject to prior sale.
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Cancellation of orders for goods, services, training or consultancy is only acceptable by prior agreement of SATRA and a charge will normally be made.
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Claims for errors, shortages etc should be notified within 10 days of date of receipt. In the event of goods damaged in transit, packing materials should be retained for examination; otherwise no liability can be accepted.
6. **PAYMENT TERMS**  
Payment terms are net 21 days from date of invoice. Failure to comply with the terms of payment may result in delayed delivery of goods and services and a review of the Customer's credit account. Should the customer become subject to an administration order, or becomes bankrupt or goes into liquidation, SATRA has a right to cancel any contract and discontinue any work. SATRA reserves the right to adjust US Dollar and Euro sales price where customer exceeds credit terms and where the exchange rate has moved more than 10% since invoicing.
7. **RETENTION OF TITLE**  
All goods remain the property of SATRA until paid in full. Under no circumstances will a customer's purchase order override SATRA's Retention of Title clause. In the case of software, the ownership of the software remains with SATRA. Payment of invoices in full will entitle the customer to use the software under licence until (a) they cease to be a member of SATRA or (b) they cease trading. In both instances, the licence shall then revert to SATRA.
8. **GUARANTEE**  
All goods manufactured by SATRA are guaranteed both as regards material and workmanship. Any part returned carriage paid, within twelve months from date of supply and found defective, will be repaired or replaced at SATRA's option free of charge. SATRA admits no liability for loss, damage or delay consequent on any defect in any goods supplied by SATRA.
9. **TEST REPORTS**  
Results given in test reports refer only to samples submitted for analysis and tested by SATRA. A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the Customer as a result of information supplied in a test report.
10. **TEST SAMPLES**  
Unless otherwise agreed in advance, test samples will be disposed of 6 weeks after the date of the final report. If required, samples can be returned at the Customer's expense.
11. **RESPONSIBILITY**  
Every effort is made to ensure accuracy in description, drawings and other information in correspondence, catalogues, etc but no warranty is given in this respect and SATRA shall not be liable for any error therein. SATRA carries out all tests and/or advises only on the basis that the same are carried out, made or given without any responsibility whether for negligence or otherwise. SATRA and its servants or agents will not be liable for any damage or loss direct or indirect of whatsoever kind, whether or not the same results directly or indirectly from negligence on the part of SATRA or its servants or agents.
12. **CONFIDENTIALITY**  
Unless specifically excluded in the terms of an individual contract between SATRA and its Customer, the following shall apply to all reports, advice, drawings, photographs, specifications or data:
  - i. The above shall not be disclosed to third parties or used in litigation without the consent of SATRA.
  - ii. Where SATRA has given consent to disclosure, the Customer shall draw the attention of the third party to these terms of business and the basis on which SATRA undertakes test, reporting and advising. The Customer shall indemnify SATRA for any failure to do so.
  - iii. The above items are submitted to the Customer as confidential documents. Confidentiality shall continue to apply after completion of the business, but shall cease to apply to information or knowledge which may come into the public domain.
13. **CONSTRUCTION AND ARBITRATION**  
The laws of England shall govern all contracts and the parties submit to exclusive jurisdiction of the courts of England, unless otherwise agreed.

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