

TEST REPORT

REPORT NUMBER : TURA110075930

APPLICANT NAME Çelikler Alüminyum Palstik San.A.Ş.

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SAMPLE DESCRIPTION :


- Sample 1** One sample of Aluminium profile (1)
- Sample 2** One sample of Aluminium profile (2)
- Sample 3** One sample of Aluminium profile (3)
- Sample 4** One sample of Aluminium profile (4)
- Sample 5** One sample of Aluminium profile (5)


DATE IN : 01 August, 2011 (17:16)

DATE OUT : 17 August, 2011

REQUEST : SVHC Testing regarding REACH Regulation (EC) No. 1907/2006 for updated SVHC List of 20th June 2011

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The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with ISO/IEC 17025 and UKAS accreditation requirements. Unless otherwise is specified, all Pass or Fail results are given without uncertainty considered. When uncertainty is taken into account, the result may be borderline. Borderline results need to be re-tested to determine their disposition up to customer's decision. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. Tests marked (*) in this test report are not included in the UKAS accreditation schedule for this laboratory.


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Coordinator


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Chemical Laboratory Manager



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Test Method	Result	Requirements
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Sample:

Sample 1



Weight : 88.69 g

Sample 2



Weight : 149.99 g

Sample 3



Weight : 104.97 g

Sample 4



Weight : 150.46 g

Sample 5



Weight : 58.53 g

Tested Component Parts:

CS=Combined Sample

CS	Description
1	CS 1 Combined sample of Aluminium profile (1), Aluminium profile (2), Aluminium profile (3), Aluminium profile (4), Aluminium profile (5)

Test Method	Result	Requirements
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1. Heavy metals after total digestion in %

Test method: ICP OES DIN EN ISO 11885 (E22)
 Plastic and metal: two stage digestion: cont. HNO₃ + H₂O₂, inverse aqua regia solution
 Plastic: microwave digestion (HNO₃)
 Metal: aqua regia solution: US EPA 3052
 Detection Limit: 0.01%

Parameter	Sample
Lead (Pb)	Not Detected
Cobalt (Co)	Not Detected
Arsenic (As)	Not Detected
Chromium (Cr)	Not Detected
Strontium (Sr)	Not Detected

Referring to the listed SVHCs the following concentrations results:

Substances	CAS-No.	Calculated concentration of Composite sample of (assuming the worst-case)
		Sample
Cobalt dichloride	7646-79-9	<0.1%
Diarsenic pentaoxide	1303-28-2	<0.1%
Diarsenic trioxide	1327-53-3	<0.1%
Lead hydrogen arsenate	7784-40-9	<0.1%
Triethyl arsenate	15606-95-8	<0.1%
Cobalt(II) sulphate	10124-43-3	<0.1%
Cobalt(II) dinitrate	10141-05-6	<0.1%
Cobalt(II) carbonate	513-79-1	<0.1%
Cobalt(II) diacetate	71-48-7	<0.1%

Acids generated from chromium trioxide and their oligomers:

Chromic acid	231-801-5	<0.1%
Dichromic acid	236-881-5	<0.1%

Calculated for the whole product the detected amount in % is:

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Test Method	Result	Requirements
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2. Chromium VI in %

Test method: Plastic and composite material: alkaline extraction according to IEC 62321:2008
 Textile: Extraction with acid sweat solution according to BS EN ISO 105-E04:1996, detection by ICP OES
 Leather: BS EN ISO 17075:2007 with UV-VIS Detection
 Metal: boiling water extraction according to IEC 62321:2008

Detection Limit: 0.001%

Parameter	Sample
Chromium VI	Not Detected

By this test the presence resp. a concentration greater than 0.1% of below substances can be excluded.

Substances	CAS-No.	Calculated concentration of Combined sample of (assuming the worst-case)
		Sample
Sodium dichromate	7789-12-0	<0.1%
Lead chromate	7758-97-6	<0.1%
I. Pigment Red 104	12656-85-8	<0.1%
C.I. Pigment Yellow 34	1344-37-2	<0.1%
Potassium dichromate	7778-50-9	<0.1%
Ammonium dichromate	7789-09-5	<0.1%
Potassium chromate	7789-00-6	<0.1%
Sodium chromate	7775-11-3	<0.1%
Chromium trioxide	1333-82-0	<0.1%
Strontium chromate	232-142-6	<0.1%



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Test Method	Result	Requirements
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3. Organic substances, in %

Test Equipment : GC-MS / HPLC / GC-ECD
 Detection Limit : 0.02%; Anthracene: 0.0002%

Substance	CAS-No.	Sample
Anthracene	120-12-7	Referring to the sample, no test for the organic substances are necessary
4,4'- Diaminodiphenylmethane	101-77-9	
Dibutylphthalate (DBP)	84-74-2	
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	
Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	
Hexabromocyclododecane (HBCDD)	25637-99-4	
Short chain chloroparaffins C ₁₀ -C ₁₃	85535-84-8	
Tributyl tin oxide	56-35-9	
Benzylbutylphthalate (BBP)	85-68-7	
2,4-Dinitrotoluene	121-14-2	
Diisobutylphthalate	84-69-5	
Tris(2-chloroethyl)phosphate	115-96-8	
Acrylamide	79-06-1	
Trichloroethylene	79-01-6	
2-Methoxyethanol	109-86-4	
2-Ethoxyethyl acetate	111-15-9	
2-Ethoxyethanol	110-80-5	
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	
1,2,3-Trichloropropane	96-18-4	
1-Methyl-2-pyrrolidone	872-50-4	
Hydrazine	302-01-2 / 7803-57-8	

Anthracene oils and anthracene pastes (Analytically determined via the concentration of anthracene)	90640-80-5 91995-17-4 91995-15-2 90640-82-7 90640-81-6	Referring to the sample, no test for the organic substances are necessary
Coal tar (Analytically determined via the concentration of the sum of the 12 polycyclic aromatic hydrocarbons)	65996-93-2	Referring to the sample, no test for the organic substances are necessary

Calculated for the whole product the detected amount in % is:

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RESULTS

REPORT : TURA110075930

Page 6 of 6

17 August, 2011

Test Method	Result	Requirements
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4. Ceramic fibers

Substances	CAS-No.	Sample
Aluminosilicate	--	Not Detected
Zirconia aluminosilicate	--	Not Detected

5. Boron Compound

Substances	CAS-No.	Sample
Boric Acid	10043-35-3 11113-50-1	Not Detected
Disodium Tetraborate, anhydrous	1330-43-4 121179-04-3	Not Detected
Tetraboron Disodium Heptaoxide , hydrate	1303-96-4 12267-73-1	Not Detected

END OF TEST REPORT



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