

REPORT NUMBER : TURT170212525

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SAMPLE DESCRIPTION :

- Sample 1:** CW614N - AA 24MM FREE CUTTING BRASS ROD
Sample 2: CW602N - Ø22 MM DZR BRASS ROD
Sample 3: CW510L - Ø25 MM MUNTZ-LOW LEADED BRASS ROD
Sample 4: CB755S - BRASS INGOT
Sample 5: CW617N - Ø22 MM FORGING BRASS ROD

DATE IN : 10 November, 2017 (12:47)

DATE OUT : 22 November, 2017

MANUFACTURER'S NAME : Elsan Hammadde Sanayi A.Ş

REQUEST : SVHC Testing regarding REACH Regulation (EC) No. 1907/2006 for updated SVHC List of 10nd July, 2017

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170212525

Test Method	Result	Requirements
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Sample:

Sample 1



Weight :10.32 g

Sample 2



Weight :16.74 g

Sample 3



Weight :14.34 g

Sample 4



Weight :18.31 g

Sample 5



Weight :13.54 g

Tested Component Parts:

CS : Combined Sample

CS	Description
1	CS 1 Combined sample of CW614N - AA 24MM FREE CUTTING BRASS ROD, CW602N - Ø22 MM DZR BRASS ROD, CW510L - Ø25 MM MUNTZ-LOW LEADED BRASS ROD, CB755S - BRASS INGOT, CW617N - Ø22 MM FORGING BRASS ROD

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	CS 1
Lead (Pb)	1.4%
Cobalt (Co)	Not Detected
Arsenic (As)	Not Detected
Chromium (Cr)	Not Detected
Strontium (Sr)	Not Detected
Boron (B)	Not Detected
Calcium (Ca)	Not Detected
Potassium (K)	Not Detected
Molybdenum (Mo)	Not Detected
Sodium (Na)	Not Detected
Zinc (Zn)	5.3%
Cadmium (Cd)	Not Detected
Aluminium (Al)	Not Detected

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-E04:2009, detection by ICP-MS
 Leather: BS EN ISO 17075:2007 with UV-VIS Detection
 Metal: boiling water extraction according to IEC 62321:2008
 Detection Limit: 0.001%

Parameter	CS 1
Chromium VI	Not Detected

Test Method	Result	Requirements
Substance	CAS-No.	CS 1
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%
Sodium Dichromate	7789-12-0, 10588-01-9	<0.1%
Bis (Tributyltin) Oxide (TBTO)	56-35-9	<0.1%
Lead Chromate	7758-97-6	<0.1%
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104)	12656-85-8	<0.1%
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34)	1344-37-2	<0.1%
Boric Acid	10043-35-3, 11113-50-1	<0.1%
Disodium Tetraborate, Anhydrous	1330-43-4, 12179-04-3, 1303-96-4	<0.1%
Tetraboron Disodium Heptaoxide, Hydrate	12267-73-1	<0.1%
Sodium Chromate	7775-11-3	<0.1%
Potassium Chromate	7789-00-6	<0.1%
Ammonium Dichromate	7789-9-5	<0.1%
Potassium Dichromate	7778-50-9	<0.1%
Cobalt Sulphate	10124-43-3	<0.1%
Cobalt Dinitrate	10141-05-6	<0.1%
Cobalt Carbonate	513-79-1	<0.1%
Cobalt Diacetate	71-48-7	<0.1%
Chromium Trioxide	1333-82-0	<0.1%
Chromic Acid	7738-94-5	<0.1%
Dichromic Acid	13530-68-2	<0.1%
Oligomers of Chromic Acid and Dichromic Acid	--	<0.1%
Strontium Chromate	7789-6-2	<0.1%
Lead dipicrate	6477-64-1	<0.1%
Lead styphnate	15245-44-0	<0.1%
Lead azide; Lead diazide	13424-46-9	<0.1%
Trilead diarsenate	3687-31-8	<0.1%
Calcium arsenate	7778-44-1	<0.1%
Arsenic acid	7778-39-4	<0.1%
Pentazinc chromate octahydroxide	49663-84-5	<0.1%
Potassium hydroxyoctaoxidizincate dichromate	11103-86-9	<0.1%
Dichromium tris(chromate)	24613-89-6	<0.1%
Aluminosilicate Refractory Ceramic Fibres	(Index No. 650-017-00-8)	<0.1%
Zirconia Aluminosilicate Refractory Ceramic Fibres	(Index No. 650-017-00-8)	<0.1%
Diboron trioxide	1303-86-2	<0.1%
Lead(II) bis(methanesulfonate)	17570-76-2	<0.1%
Cadmium oxide	1306-19-0	<0.1%
Lead di(acetate)	301-04-2	<0.1%
Cadmium sulphide	1306-23-6	<0.1%
Cadmium chloride	10108-64-2	<0.1%
Cadmium fluoride	7790-79-6	<0.1%
Cadmium sulphate	10124-36-4; 31119-53-6	<0.1%

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

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Test Method	Result	Requirements
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3. Ceramic fibers

Substances	CAS-No.	CS 1
Aluminosilicate	--	<0.1%
Zirconia aluminosilicate	--	<0.1%
Aluminosilicate Refractory Ceramic Fibres (RCF)	--	<0.1%
Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	--	<0.1%

END OF TEST REPORT