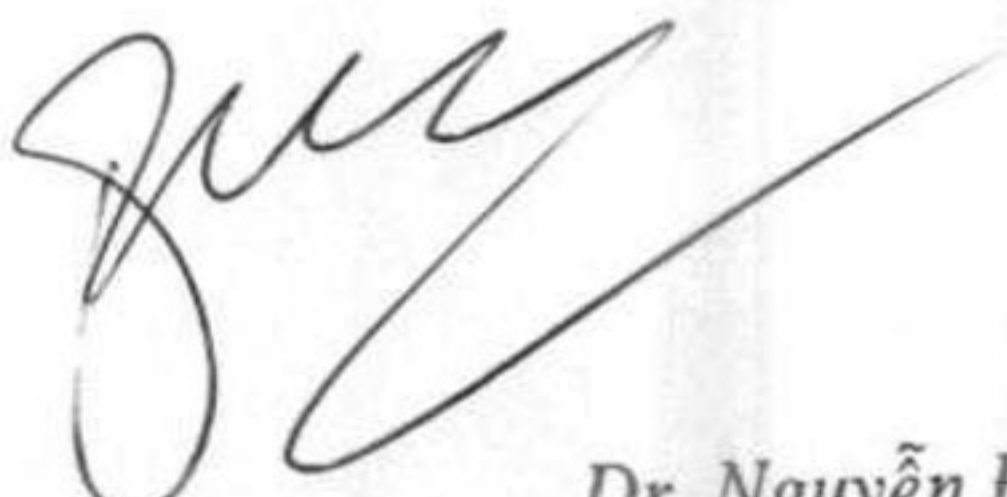



Prüfbericht - Nr.: 1603017809-04-02 <i>Test Report No.:</i>		Seite 1 von 6 <i>Page 1 of 6</i>			
Auftraggeber: <i>Client:</i>					
Gegenstand der Prüfung: Brown paper sheet <i>Test Item:</i>					
Bezeichnung: T484 <i>Identification:</i>					
Anlieferungszustand: einwandfrei <i>Delivery condition:</i> <i>apparent good</i>		Eingangsdatum: 13. March 2012 <i>Date of Receipt:</i>			
Prüfort: HO CHI MINH CITY <i>Testing Location:</i>					
Prüfgrundlage: REACH Regulation 1907/2006/EC <i>Test Specification:</i> Test parameters chosen by customer: Screening of Substances of Very High Concern (SVHCs) in the candidate list (Dec 2011)					
Prüfergebnis: BESTANDEN – Die eingereichte Probe enthält keine SVHCs in Konzentrationen über 0,1% <i>Test Result:</i>					
PASSED – The submitted test sample does not contain SVHCs with concentration > 0.1%					
Überprüft/ Checked by:		Begutachtet/ Reviewed by:			
 20 MAR 2012 Dr. Nguyễn Đức Duy Assistant Manager		 20 MAR 2012 MSc. NGUYỄN MINH TRÚC Technical Manager			
Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects:					
Test period: 13. March 2012 - 20. March 2012 Sample tested as received (see photo)					
Abkürzungen: ok / P = entspricht Prüfgrundlage fail / F = entspricht nicht Prüfgrundlage n.a. / N = nicht anwendbar			Abbreviations: ok / P = passed fail / F = failed n.a. / N = not applicable		
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>					

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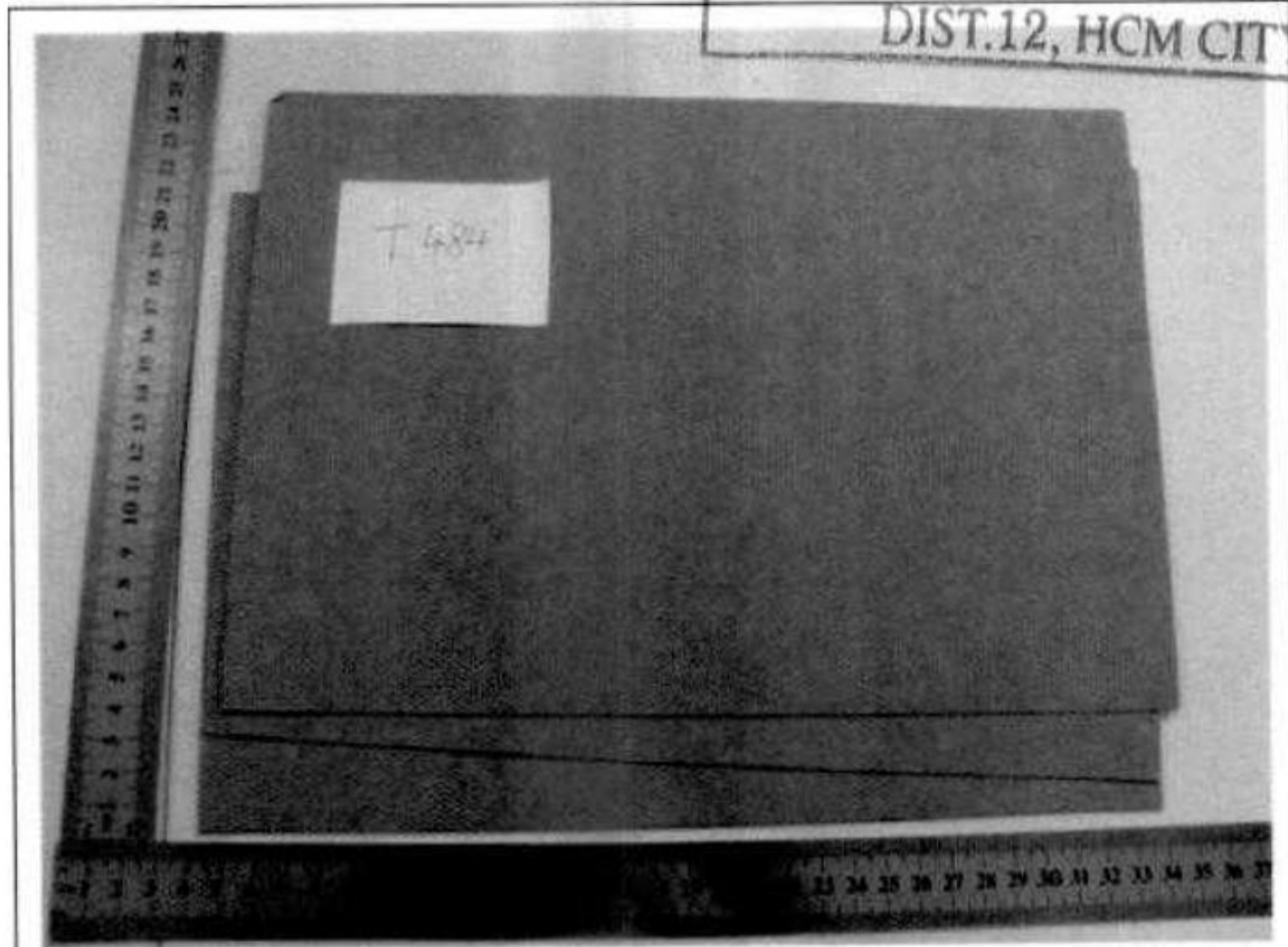
Prüfbericht - Nr.: 1603017809-04-02
Test Report No.:

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20. March 2012

**TÜV RHEINLAND VIETNAM
SOFTLINES LABORATORY
QUANG TRUNG SOFTWARE CITY
DIST.12, HCM CITY**

TEST SAMPLE PICTURE



Lab ID: VCL120313-514

20. March 2012

No	Substance Name	CAS Number	Test result (%)	Conclusion
Test group No. 1: Extraction with organic solvent, determination by GC/MS and/or LC/MS				
1.	1,2,3-trichloropropane	96-18-4	< 0.01%	Pass
2.	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	< 0.01%	Pass
3.	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	< 0.01%	Pass
4.	1,2-Dichloroethane	107-06-2	< 0.01%	Pass
5.	1-methyl-2-pyrrolidone	872-50-4	0.075	Pass
6.	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	< 0.01%	Pass
7.	2,4-Dinitrotoluene	121-14-2	< 0.01%	Pass
8.	2-Ethoxyethanol	110-80-5	< 0.01%	Pass
9.	2-ethoxyethyl acetate	111-15-9	< 0.01%	Pass
10.	2-Methoxyaniline o-Anisidine	90-04-0	< 0.01%	Pass
11.	2-Methoxyethanol	109-86-4	< 0.01%	Pass
12.	4,4'- Diaminodiphenylmethane	101-77-9	< 0.01%	Pass
13.	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	< 0.01%	Pass
14.	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	< 0.01%	Pass
15.	Acrylamide	79-06-1	< 0.01%	Pass
16.	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	< 0.01%	Pass
17.	Anthracene	120-12-7	< 0.01%	Pass
18.	Anthracene oil	90640-80-5	< 0.01%	Pass
19.	Anthracene oil, anthracene paste	90640-81-6	< 0.01%	Pass
20.	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	< 0.01%	Pass
21.	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	< 0.01%	Pass
22.	Anthracene oil, anthracene-low	90640-82-7	< 0.01%	Pass
23.	Coal tar pitch, high temperature	65996-93-2	< 0.01%	Pass
24.	Benzyl butyl phthalate	85-68-7	< 0.01%	Pass
25.	Diisobutyl phthalate	84-69-5	< 0.01%	Pass
26.	Dibutyl phthalate	84-74-2	< 0.01%	Pass
27.	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	< 0.01%	Pass
28.	bis(2-methoxyethyl) ether	111-96-6	< 0.01%	Pass
29.	Bis(2-methoxyethyl) phthalate	117-82-8	< 0.01%	Pass

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30.	Bis(tributyltin)oxide	56-35-9	< 0.01%	Pass
31.	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	< 0.01%	Pass
32.	Hexabromocyclododecane (HBCDD)	25637-99-4	< 0.01%	Pass
33.	Hydrazine	7803-57-8 302-01-2	< 0.01%	Pass
34.	N,N-dimethylacetamide (DMAC)	127-19-5	< 0.01%	Pass
35.	Phenolphthalein	77-09-8	< 0.01%	Pass
36.	Trichloroethylene	79-01-6	< 0.01%	Pass
37.	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	< 0.01%	Pass
Test Group No 2: Microwave digestion, then determination by ICP-OES, detection as Boron				
38.	Boric acid	10043-35-3 11113-50-1	< 0.01%	Pass
39.	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	< 0.01%	Pass
40.	Tetraboron disodium heptaoxide, hydrate	12267-73-1	< 0.01%	Pass
Test Group No 3: Microwave digestion, then determination by ICP-OES, detection as Arsenic				
41.	Arsenic acid	7778-39-4	< 0.01%	Pass
42.	Calcium arsenate	7778-44-1	< 0.01%	Pass
43.	Diarsenic trioxide	1327-53-3	< 0.01%	Pass
44.	Diarsenic pentaoxide	1303-28-2	< 0.01%	Pass
45.	Triethyl arsenate	15606-95-8	< 0.01%	Pass
Test Group No 4: With refer to IEC 62321, determination by UV/VIS, detection as Chromium VI				
46.	Chromium trioxide	1333-82-0	< 0.01%	Pass
47.	Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5, 13530-68-2	< 0.01%	Pass
48.	Ammonium dichromate	2151163	< 0.01%	Pass
49.	Dichromium tris(chromate)	24613-89-6	< 0.01%	Pass
50.	Pentazinc chromate octahydroxide	49663-84-5	< 0.01%	Pass
51.	Potassium chromate	7789-00-6	< 0.01%	Pass
52.	Potassium dichromate	7778-50-9	< 0.01%	Pass
53.	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	< 0.01%	Pass
54.	Sodium chromate	2146108	< 0.01%	Pass

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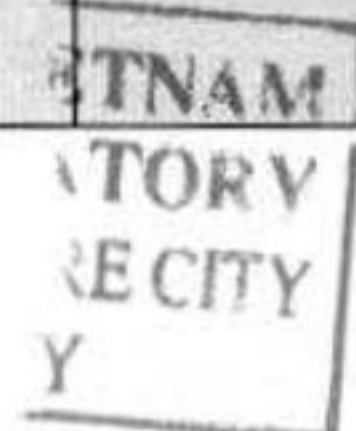
55.	Sodium dichromate, dihydrate	7789-12-0	< 0.01%	Pass
56.	Strontium chromate	7789-06-2	< 0.01%	Pass
Test Group No 5: Microwave digestion, then determination by ICP-OES, detection as Cobalt				
57.	Cobalt(II) dichloride	7646-79-9	< 0.01%	Pass
58.	Cobalt(II) carbonate	513-79-1	< 0.01%	Pass
59.	Cobalt(II) diacetate	71-48-7	< 0.01%	Pass
60.	Cobalt(II) dinitrate	10141-05-6	< 0.01%	Pass
61.	Cobalt(II) sulphate	10124-43-3	< 0.01%	Pass
Test Group No 6: Microwave digestion, then determination by ICP-OES, detection as Lead/Arsenic/Chromium VI				
62.	Lead chromate	7758-97-6	< 0.01%	Pass
63.	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	< 0.01%	Pass
64.	Lead diazide	13424-46-9	< 0.01%	Pass
65.	Lead dipicrate	6477-64-1	< 0.01%	Pass
66.	Lead hydrogen arsenate	7784-40-9	< 0.01%	Pass
67.	Lead styphnate	15245-44-0	< 0.01%	Pass
68.	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	< 0.01%	Pass
69.	Trilead diarsenate	3687-31-8	< 0.01%	Pass
Test Group No 7: Determination by microscope.				
70.	Zirconia Aluminosilicate Refractory Ceramic Fibres <i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content less or equal to 18% by weight</i>	-	< 0.01%	Pass
71.	Aluminosilicate Refractory Ceramic Fibres <i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide</i>	-	< 0.01%	Pass

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	(Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight			
72.	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions: a) Al ₂ O ₃ and SiO ₂ are present within the following concentration ranges: Al ₂ O ₃ : 43.5 – 47 % w/w, and SiO ₂ : 49.5 – 53.5 % w/w, or Al ₂ O ₃ : 45.5 – 50.5 % w/w, and SiO ₂ : 48.5 – 54 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).	Extracted from Index no.: 650-017-00-8	< 0.01%	Pass
73.	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions: a) Al ₂ O ₃ , SiO ₂ and ZrO ₂ are present within the following concentration ranges: Al ₂ O ₃ : 35 – 36 % w/w, and SiO ₂ : 47.5 – 50 % w/w, and ZrO ₂ : 15 - 17 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).	Extracted from Index no. 650-017-00-8	< 0.01%	Pass

Explanation:

%: percent by weight
 N.A.: Not Applicable



Remarks:

- Substances meeting the criteria outlined in Article 57 of the REACH Regulation are commonly referred to as substances of very high concern (SVHC) which are classified as substances in Category 1 and 2 carcinogens, mutagens and toxic to reproduction ("CMRs"); persistent, bioaccumulative and toxic substances ("PBTs"); very persistent and very bioaccumulative substances ("vPvBs"); and substances raising an equivalent level of concern.
- According to EC Regulation No 1907/2006 Article 7(2) notification of substances in articles is required when all conditions are met:
 - The substance is included in the candidate list for authorization (Article 59(1)) and
 - The substance is present in all articles produced or imported by one actor in an amount totaling over 1 tone per year (per producer or importer)
 - The substance is present in articles above a concentration of 0.1% weight by weight (w/w)
- Article 33 of REACH requires that sufficient information is communicated with articles to allow their safe use. Producers, importers and other suppliers of articles containing substances of very high concern (SVHC) included on the candidate list for authorization in a concentration above 0.1% (w/w) have to provide respective information available to them to the recipients of the articles.
- The information of SVHC in the candidate list is available published by ECHA at: http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp#download
 Guidance on substance in article is available at: http://guidance.echa.europa.eu/guidance_en.htm

---End of Test Report---