

Test Report No. : Q00028809a 002

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Client: HILLS (HONG KONG) COMPANY LIMITED

Unit A, 3/F., Block 2, Koon Wah Mirror Fty., Sixth Ind. Bldg.,
7-9 Ho Tin Street, Tuen Mun, Hong Kong

Test Item(s): Plastic + textile material

**Identification/
Model No(s):** 16532-1 NML9NK4B/285D3
1.8mm D4915
ITEM NO.: T159-10

Sample Receiving date: 08 May 2010

Delivery condition: Apparent good, Samples tested as received

Test Specification:

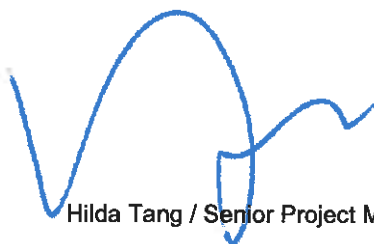
Customer Requirement

Substances of very high concern (SVHC) acc. to authorisation list & candidate list,
by European Chemical Agency (ECHA),
With reference to Corrigendum to Regulation (EC) no.1907/2006, concerning the
Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Test Result:

Refer to page 2-6

For and on behalf of
TÜV Rheinland (Hong Kong) Ltd.



17 May 2010
Date

Hilda Tang / Senior Project Manager
Name / Position

*Test result is drawn according to the kind and extent of tests performed.
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.*

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Material List

Item: 16532-1 NML9NK4B/285D3
1.8mm D4915
ITEM NO.: T159-10

Material No.	Material	Color	Location
M002	Plastic + Textile	White / Beige	Refer to photo (T159-10)

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1. Screening of SVHC in Authorisation List & Candidate List Subject to Authorisation

Test Method: 1) Test portion is digested with acid and assisted with microwave, the elements are analysed by ICP-OES.
2) Organic solvent extraction, GC-MS analysis.

Testing Period: 10 May. 2010 - 14 May, 2010

Test Result:

Test No.	T001	
Material No.	M002	
Substance - Authorisation List	CAS No.	Result (%) (MDL 0.01%)
4,4'-Methylenedianiline (MA)	101-77-9	n.d.
Benzylbutylphthalate (BBP)	85-68-7	n.d.
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7	n.d.
Dibutylphthalate (DBP)	84-74-2	n.d.
HBCDD/ 1,3,5,7,9,11-HBCDD	25637-99-4/ 3194-55-6	n.d.
5-Tert-butyl-2,4,6-trinitro-m-xylene (MX)	81-15-2	n.d.
Short chain chlorinated paraffins (C10-C13) (SCCP)	85535-84-8	n.d.

Substance - Candidate List subject to Authorisation	CAS No.	Result (%) (MDL 0.01%)
Anthracene	120-12-7	n.d.
Bis(tributyltin) oxide, hexabutyldistannoxane (TBTO) (*3)	56-35-9	n.d.
Triethyl arsenate (*1)	15606-95-8	n.d.
Diarsenic pentoxide (*1)	1303-28-2	n.d.
Diarsenic trioxide (*1)	1327-53-3	n.d.
Lead hydrogen arsenate (*1)	7784-40-9	n.d.
Cobalt dichloride (*1)	7646-79-9	n.d.
Sodium dichromate, dihydrate (*2)	7789-12-0	n.d.
2,4-Dinitrotoluene	121-14-2	n.d.
Diisobutyl phthalate (DIBP)	84-69-5	n.d.
Acrylamide	79-06-1	n.d.
Tris (2-chloroethyl) phosphate	115-96-8	n.d.
Lead chromate (*1) (*2)	7758-97-6	n.d.
Lead chromate molybdate sulfate red (C.I. Pigment Red 104) (*1) (*2)	12656-85-8	n.d.
Lead sulfochromate yellow (C.I. Pigment Yellow 34) (*1)	1344-37-2	n.d.
Anthracene oil (*4) + Anthracene oil, anthracene paste, distn. Lights (*4) + Anthracene oil, anthracene paste, anthracene fraction (*4) + Anthracene oil, anthracene-low (*4) + Anthracene oil, anthracene paste (*4) + Coal tar pitch, high temperature (*4)	90640-80-5/ 91995-17-4/ 91995-15-2/ 90640-82-7/ 90640-81-6/ 65996-93-2	n.d. (*5)
Aluminosilicate, Refractory Ceramic Fibres (RCF) (*6) + Zirconia Aluminosilicate, Refractory Ceramic Fibres (*6)	Index no : 650-017-00-8	n.d.

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Abbreviation: n.d.: Not Detected (< MDL)
MDL: Method Detection Limit

Remark:

- (*1) The substances are tested in terms of its respective elements (As, Pb, Co)
- (*2) The substances are tested in terms of Cr (VI)
- (*3) The substances are tested and calculated in term of Tributyl tin.
- (*4) The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological materials), which are identified by its main constituents.
- (*5) Individual concentrations to the constituent of UVCB with an amount of < 0.01% were not considered by the calculation of the sum.
- (*6) The test result is based on microscopic and chemical evaluation.

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2. REACH Screening of SVHC in Proposed List

Test Method: 1) Test portion is digested with acid and assisted with microwave, the elements are analysed by ICP-OES.
2) Organic solvent extraction, GC-MS analysis.

Testing Period: 10 May. 2010 - 14 May. 2010

Test Result:

Test No.:	T001	
Material No.:	M002	
Substance - Proposed List	CAS No.	Result (%) (MDL:0.01%)
Trichloroethylene	79-01-6	n.d.
Boric acid (*1)	10043-35-3/ 11113-50-1	n.d.
Disodium tetraborate, anhydrous (*1)	1330-43-4/ 12179-04-3/ 1303-96-4	n.d.
Tetraboron disodium heptaoxide, hydrate (*1)	12267-73-1	n.d.
Sodium chromate (*2)	7775-11-3	n.d.
Potassium chromate (*2)	7789-00-6	n.d.
Ammonium dichromate (*2)	7789-09-5	n.d.
Potassium dichromate (*2)	7778-50-9	n.d.

Abbreviation: n.d.: Not Detected (< MDL)
MDL: Method Detection Limit

Remark:

(*1) The substances are tested in terms of its respective elements (B)

(*2) The substances are tested in terms of Cr (VI)

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Sample photo:



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