



# Test Report

NO.: ASZ0812166201H Date: Dec 22, 2008

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**Customer:** SHENZHEN JDD TECH CO, LD

**Address:** Maanshan Industrial Zone, Shajing Town, Baoan District, Shenzhen, Guangdong China

**Report on the submitted sample said to be**

**Sample name:** EXPANDABLE SLEEVING

**Model:** /

**Item/Lot No.:** /

**Material:** /

**Buyer:** /

**Supplier:** SHENZHEN JDD TECH CO, LD

**Manufacturer:** SHENZHEN JDD TECH CO, LD

**Sample received date:** Dec 16, 2008

**Testing period:** From Dec 16, 2008 to Dec 22, 2008

## Testing Requested

As specified by client, based on the list published by European chemicals agency (ECHA) on Oct 28, 2008 for public consultation regarding regulation (EC) No 1907/2005 concerning the REACH, to determine the fifteen (15) Substances of Very High Concern (SVHC) content in the submitted sample

## Testing method:

Please refer to next page(s)

## Testing instrument:

Please refer to next page(s)

**Conclusion:** According to the specified scope and analytical technique, 15 SVHC with concentration lower than 0.1%.

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)\*\*\*\*\*

Signed for AOV Ltd.

Written by



Inspected by



Approved by

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**AOV (Shen Zhen) Testing Technology Co.Ltd**

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## Test Results:

(1):

No.	Item	Test method & instrument	Unit	MLQ	A	SVHC item
1	Tributyltinchloride	EN ISO 17353, GC-MS	mg/kg	5	N.D.	Bis(tributyltin)oxide*
2	Arsenic	EPA 3052, ICP-OES	mg/kg	2	N.D.	Diarsenic pentaoxide**
						Diarsenic trioxide**
						Triethyl arsenate**
3	Lead	EPA 3052, ICP-OES	mg/kg	2	N.D.	Lead hydrogen arsenate**
4	Cobalt	EPA 3052, ICP-OES	mg/kg	2	N.D.	Cobalt dichloride**
5	Hexavalent Chromium	EPA 3060A, UV-VIS	mg/kg	2	N.D.	Sodium dichromate, dehydrate**

(2) SVHC content:

No.	Item	CAS No.	EC No.	Test method & instrument	Unit	MLQ	A	Reason for proposing
1	Anthracene	120-12-7	204-371-1	ZEK 01.1-08, GC-MS	mg/kg	0.2	N.D.	PBT
2	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	EN14362-1, GC-MS	mg/kg	30	N.D.	CMR
3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	EPA 8270D, GC-MS	mg/kg	10	N.D.	CMR
4	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	EPA 8270D, GC-MS	mg/kg	10	N.D.	CMR
5	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	EPA 3550C, GC-MS	mg/kg	100	N.D.	vPvB
6	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	EPA 8270D, GC-MS	mg/kg	10	N.D.	CMR
7	Hexabromocyclododecane (HBCDD)	25637-99-4	247-148-4	EPA 3540C, GC-MS	mg/kg	10	N.D.	PBT
8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	EPA 3540C, GC-MS	mg/kg	100	N.D.	PBT
9	Bis(tributyltin)oxide*	56-35-9	200-268-0	/	mg/kg	/	N.D.	PBT
10	Cobalt dichloride**	7646-79-9	231-589-4	/	mg/kg	/	N.D.	CMR
11	Diarsenic pentaoxide**	1303-28-2	215-116-9	/	mg/kg	/	N.D.	CMR
12	Diarsenic trioxide**	1327-53-3	215-481-4	/	mg/kg	/	N.D.	CMR
13	Sodium dichromate, dehydrate**	7789-12-0	234-190-3	/	mg/kg	/	N.D.	CMR
14	Lead hydrogen arsenate**	7784-40-9	232-064-2	/	mg/kg	/	N.D.	CMR
15	Triethyl arsenate**	15606-95-8	427-700-2	/	mg/kg	/	N.D.	CMR

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### Specimen Description:

A: EXPANDABLE SLEEVING

### Note:

- %=10000ppm

- N.D.=not detected(<MQL)

- MQL=Method Quantitation Limit

-\*The substance is calculated by the test results of Tributyl Tin.

-\*\*The substance is calculated by the test results of element (Ex. Arsenic, Lead, Cobalt or Cr(VI) respectively)

-Carcinogenic, Mutagenic or toxic to Reproduction (CMR), meeting the criteria for classification in category 1 or 2 in accordance with Directive 67/548/EEC, Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) according to the criteria in Annex XIII of the REACH Regulation, and/or Identified, on a case-by-case basis, from scientific evidence as causing probable serious effects to human health or the environment of an equivalent level of concern as those above (e.g. endocrine disrupters)

1.The chemical analysis of 15SVHC is performed by means of currently available analytical techniques against the list publishes by ECHA on Oct 28, 2008 and shall refer to

[http://echa.europa.eu/chem\\_data/candidate\\_list\\_en.asp](http://echa.europa.eu/chem_data/candidate_list_en.asp) This is an up-to-date version of the list as well as background information on is and related obligations.

2. In accordance with regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the condition in Article 57 and is identified in accordance with Article 59(1) of the regulation, if (a) the substance is present in these articles in quantities totalling over one tonne per producer or importer per year and (b) the substance is present in those articles above & concentration of 0.1% weight by weight (w/w).

3. Article 33 of Regulation (EC) No.1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information available to the supplier to allow safe use of the article including as a minimum the name of that substance.

- Photo is included

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Photograph of Sample



EXPANDABLE SLEEVING

\*\*\*End of Report\*\*\*

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