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TEST REPORT

Send To: C0144506

Dongguan yutian silicone rubber technology Co., Ltd.

32# Shengye Rd, tianmei north district,

Huangjiang town, Dongguan city,

Guangdong province,

China

Send To: C0144507

Dongguan yutian silicone rubber technology Co., Ltd.

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Huangjiang town, Dongguan city,

Guangdong province,

China

Result **Complete** **Report Date** **26-DEC-2012**

Customer Name	Dongguan yutian silicone rubber technology Co., Ltd .
Description	Silicone Hose/ Braidd Tube
Material	Silicon Rubber
Test Type	Test Only
Job Number	J-00119228
Sample Reception Date	27-NOV-2012
Testing Completion Date	26-DEC-2012

Summary of Results
测试结果概要

Testing Parameters and Standards	Results
Silicone hose/ Braidd tube testing(heavy metals, semivolatile compounds, volatile organic compounds) with reference to NSF/ANSI 61-2011	See page 3~9

Remark:

The material extraction was performed with reference to NSF/ANSI 61 section 4. Testing items were selected by NSF China Lab according to the minimum requirement to the material of silicon rubber. Since no toxicology review was performed to the formulation of the material, there may be some other formulation –dependent analytes needed for certificate. The testing results may not be sufficient to NSF certificate. Any data of this report that will be submitted to NSF certificate will need special approval by NSF International.

Testing results were not normalized due to lack of normalization information. Thus, testing results cannot compare with drinking water regulatory level (MCL/MAC) or single product allowable concentration (SPEC) directly.

Report Authorization Dongjing Liu – Laboratory Site Manager

NSF(Shanghai) Testing Technology Co. Ltd. NSF TEST

Date **26-DEC-2012**

1. Material Evaluation reference to NSF ANSI 61-2011

Description: Day 17 regulated metals exposured at 23℃, pH 5

Sampled Date: 04-Dec-2012

Testing Parameter	Sample	Control	Result	Units
Total Arsenic in Drinking Water by ICPMS (Ref: EPA 200.8)				
Arsenic	3.1	3.3	ND(1.0)	µg/L
Barium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Barium	1.1	1.0	ND(1.0)	µg/L
Beryllium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Beryllium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Cadmium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Cadmium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Chromium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Chromium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Copper in Drinking Water by ICPMS (Ref: EPA 200.8)				
Copper	4.4	5.7	ND(1.0)	µg/L
Mercury in Drinking Water by ICPMS (Ref: EPA 200.8)				
Mercury	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Antimony in Drinking Water by ICPMS (Ref: EPA 200.8)				
Antimony	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Selenium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Selenium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Thallium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Thallium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Lead in Drinking Water by ICPMS (Ref: EPA 200.8)				
Lead	ND(1.0)	ND(1.0)	ND(1.0)	µg/L

2. Material Evaluation reference to NSF ANSI 61-2011

Description: Day 17 regulated metals exposured at 23℃, pH 10

Sampled Date: 04-Dec-2012

Testing Parameter	Sample	Control	Result	Units
Total Arsenic in Drinking Water by ICPMS (Ref: EPA 200.8)				
Arsenic	13.6	15.7	ND(1.0)	µg/L
Barium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Barium	1.3	1.0	ND(1.0)	µg/L
Beryllium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Beryllium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Cadmium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Cadmium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Chromium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Chromium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Copper in Drinking Water by ICPMS (Ref: EPA 200.8)				
Copper	1.5	1.2	ND(1.0)	µg/L
Mercury in Drinking Water by ICPMS (Ref: EPA 200.8)				
Mercury	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Antimony in Drinking Water by ICPMS (Ref: EPA 200.8)				
Antimony	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Selenium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Selenium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Thallium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Thallium	ND(1.0)	ND(1.0)	ND(1.0)	µg/L
Lead in Drinking Water by ICPMS (Ref: EPA 200.8)				
Lead	ND(1.0)	ND(1.0)	ND(1.0)	µg/L

Remark: ND = Not Detected, less than reporting limit.

3. Material Evaluation reference to NSF ANSI 61-2011

Description: Day 17 Organic Testing exposured at 23℃, pH 10

Sampled Date: 04-Dec-2012

Testing Parameter	Sample	Control	Result	Units
Semivolatile Compounds, Acid 625 Scan (Ref: EPA 625)				
Phenol	ND(4)	ND(4)	ND(4)	µg/L
2-Chlorophenol	ND(4)	ND(4)	ND(4)	µg/L
o-Cresol	ND(4)	ND(4)	ND(4)	µg/L
m-Cresol	ND(4)	ND(4)	ND(4)	µg/L
p-Cresol	ND(4)	ND(4)	ND(4)	µg/L
2-Nitrophenol	ND(4)	ND(4)	ND(4)	µg/L
4-Nitrophenol	ND(4)	ND(4)	ND(4)	µg/L
2,4-Dimethylphenol	ND(4)	ND(4)	ND(4)	µg/L
2,4-Dichlorophenol	ND(4)	ND(4)	ND(4)	µg/L
2,6-Dichlorophenol	ND(4)	ND(4)	ND(4)	µg/L
4-Chloro-3-methylphenoh	ND(4)	ND(4)	ND(4)	µg/L
2,4,5-trichlorophenol	ND(4)	ND(4)	ND(4)	µg/L
2,4,6-Trichlorophenol	ND(4)	ND(4)	ND(4)	µg/L
2,3,4,6-Tetrachlorophe	ND(4)	ND(4)	ND(4)	µg/L
Pentachlorophenol	ND(4)	ND(4)	ND(4)	µg/L
Semivolatile Compounds, Base/Neutral 625 Scan (Ref: EPA 625)				
Bis(2-Chloroethyl)ether	ND(4)	ND(4)	ND(4)	µg/L
1,2- Dichlorobenzene	ND(4)	ND(4)	ND(4)	µg/L
1,3- Dichlorobenzene	ND(4)	ND(4)	ND(4)	µg/L
1,4- Dichlorobenzene	ND(4)	ND(4)	ND(4)	µg/L
bis(2-Chloro-1-methylethyl)ether	ND(4)	ND(4)	ND(4)	µg/L

Testing Parameter	Sample	Control	Result	Units
Hexachloroethane	ND(4)	ND(4)	ND(4)	µg/L
Nitrobenzene	ND(4)	ND(4)	ND(4)	µg/L
Isophorone	ND(4)	ND(4)	ND(4)	µg/L
bis(2-Chloroethoxy)methane	ND(4)	ND(4)	ND(4)	µg/L
Naphthalene	ND(4)	ND(4)	ND(4)	µg/L
1,2,4-Trichlorobenzene	ND(4)	ND(4)	ND(4)	µg/L
Hexachlorobutadiene	ND(4)	ND(4)	ND(4)	µg/L
Hexachlorocyclopentadiene	ND(4)	ND(4)	ND(4)	µg/L
2-Chloronaphthalene	ND(4)	ND(4)	ND(4)	µg/L
Dimethyl phthalate	10	11	ND(4)	µg/L
Acenaphthylene	ND(4)	ND(4)	ND(4)	µg/L
2,6-Dinitrotoluene	ND(4)	ND(4)	ND(4)	µg/L
Acenaphthene	ND(4)	ND(4)	ND(4)	µg/L
2,4-Dinitrotoluene	ND(4)	ND(4)	ND(4)	µg/L
Di-n-butyl phthalate	ND(4)	ND(4)	ND(4)	µg/L
Fluorene	ND(4)	ND(4)	ND(4)	µg/L
Diethylphthalate	ND(4)	ND(4)	ND(4)	µg/L
4-Chlorophenyl phenyl ether	ND(4)	ND(4)	ND(4)	µg/L
Azobenzene	ND(4)	ND(4)	ND(4)	µg/L
4-Bromodiphenyl ether	ND(4)	ND(4)	ND(4)	µg/L
Hexachlorobenzene	ND(4)	ND(4)	ND(4)	µg/L
Phenanthrene	ND(4)	ND(4)	ND(4)	µg/L
Anthracene	ND(4)	ND(4)	ND(4)	µg/L
Fluoranthene	ND(4)	ND(4)	ND(4)	µg/L
Pyrene	ND(4)	ND(4)	ND(4)	µg/L
Benzyl butyl phthalate	ND(4)	ND(4)	ND(4)	µg/L

Testing Parameter	Sample	Control	Result	Units
Benz[a]anthracene	ND(4)	ND(4)	ND(4)	µg/L
Bis(2-Ethylhexyl)phthalate	ND(4)	ND(4)	ND(4)	µg/L
Chrysene	ND(4)	ND(4)	ND(4)	µg/L
Di-n-octyl phthalate	ND(4)	ND(4)	ND(4)	µg/L
Benzo[b]fluoranthene	ND(4)	ND(4)	ND(4)	µg/L
Benzo[k]fluoranthene	ND(4)	ND(4)	ND(4)	µg/L
Benzo[a]pyene	ND(4)	ND(4)	ND(4)	µg/L
Indeno(1,2,3-c,d)pyene	ND(4)	ND(4)	ND(4)	µg/L
Dibenz(a,h)anthracene	ND(4)	ND(4)	ND(4)	µg/L
Benzo(g,h,i)perylene	ND(4)	ND(4)	ND(4)	µg/L
N-Nitrosodimethylamine	ND(4)	ND(4)	ND(4)	µg/L
N-Nitroso-N-methylethylamine	ND(4)	ND(4)	ND(4)	µg/L
N-Nitrosodiethylamine	ND(4)	ND(4)	ND(4)	µg/L
N-Nitrosopyrrolidine	ND(4)	ND(4)	ND(4)	µg/L
N-Nitrosodi-N-propylamine	ND(4)	ND(4)	ND(4)	µg/L
N-Nitrosomorpholine	ND(4)	ND(4)	ND(4)	µg/L
N-Nitrosopiperidine	ND(4)	ND(4)	ND(4)	µg/L
N-Nitrosodi-N-butylamine	ND(4)	ND(4)	ND(4)	µg/L
N-Nitrosodiphenylamine	ND(4)	ND(4)	ND(4)	µg/L
N-Nitrosodimethylamine	ND(4)	ND(4)	ND(4)	µg/L
Volatile Organic Compounds (Ref: EPA 524.2)				
Dichlorodifluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Chloromethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Vinyl Chloride	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Bromomethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Chloroethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L

Testing Parameter	Sample	Control	Result	Units
Trichlorofluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,1-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Methylene Chloride	5.6	6.1	ND(0.5)	µg/L
Trans-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,1-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Cis-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
2,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Bromochloromethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Chloroform	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Carbon Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,1,1-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,1-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Benzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,2-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Trichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Dibromomethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Bromodichloromethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Cis-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Toluene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Tetrachloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Trans-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,1,2-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Dibromochloromethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,3-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,2-Dibromoethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L

Testing Parameter	Sample	Control	Result	Units
Chlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Ethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,1,1,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
m-Xylene +p-Xylene	ND(1)	ND(1)	ND(1)	µg/L
o-Xylene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Styrene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Bromoform	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Isopropylbenzene (Cumene)	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Bromobenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
n-Propylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,1,2,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
2-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,3,5-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,2,3-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
4-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Tert-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,2,4-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Sec-Butybenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
p-Isopropytoluene (Cymene)	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,3-Dichlorobenzene	1.1	1.3	ND(0.5)	µg/L
1,4-Dichlorobenzene	1.4	1.6	ND(0.5)	µg/L
n-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,2-Dichlorobenzene	2.3	2.6	ND(0.5)	µg/L
1,2-Dibromo-3-chloropropane	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Hexachloro-1,3-butadiene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,2,4-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L

Testing Parameter	Sample	Control	Result	Units
Naphthalene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
1,2,3-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Total Trihalomethanes	ND(0.5)	ND(0.5)	ND(0.5)	µg/L
Total Xylenes	ND(1.5)	ND(1.5)	ND(1.5)	µg/L

Picture of Sample

End of Report