

Test Report

No. SH9168365/CHEM

Date: Sep. 4, 2009

Page 1 of 3

KUNSHAN COSMO PACKAGING MATERIAL CO.,LTD
NO.298 LIDU ROAD, SHIPU, KUNSHAN, JIANGSU, CHINA.

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Name : POLYOLEFIN SHRINK FILM
SGS Ref No. : 12134257
Main Substance : LLDPE、PP

Sample Receiving Date : Aug.28, 2009
Testing Period : Aug.28– Sep.01, 2009

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives

Test Method : (1) With reference to IEC 62321:2008 for Cadmium content.
Analysis was performed by ICP-OES.
(2) With reference to IEC 62321:2008 for Lead content.
Analysis was performed by ICP-OES.
(3) With reference to IEC 62321:2008 for Mercury content.
Analysis was performed by ICP-OES.
(4) With reference to IEC 62321:2008 for Hexavalent Chromium by Colorimetric Method.
(5) With reference to IEC 62321:2008 for PBBs / PBDEs content.
Analysis was performed by GC/MS.

Test Results : Please refer to next pages

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Sandy Hao
Lab Manager

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Page 2 of 3

Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	1	MDL	RoHS Limit
Cadmium(Cd)	(1)	ND	2	100
Lead (Pb)	(2)	ND	2	1000
Mercury (Hg)	(3)	ND	2	1000
Hexavalent Chromium (CrVI)	(4)	ND	2	1000
Sum of PBBs	(5)	ND	-	1000
Monobromobiphenyl		ND	5	-
Dibromobiphenyl		ND	5	-
Tribromobiphenyl		ND	5	-
Tetrabromobiphenyl		ND	5	-
Pentabromobiphenyl		ND	5	-
Hexabromobiphenyl		ND	5	-
Heptabromobiphenyl		ND	5	-
Octabromobiphenyl		ND	5	-
Nonabromobiphenyl		ND	5	-
Decabromobiphenyl		ND	5	-
Sum of PBDEs		ND	-	1000
Monobromodiphenyl ether		ND	5	-
Dibromodiphenyl ether		ND	5	-
Tribromodiphenyl ether		ND	5	-
Tetrabromodiphenyl ether		ND	5	-
Pentabromodiphenyl ether		ND	5	-
Hexabromodiphenyl ether		ND	5	-
Heptabromodiphenyl ether		ND	5	-
Octabromodiphenyl ether		ND	5	-
Nonabromodiphenyl ether		ND	5	-
Decabromodiphenyl ether##		ND	5	-

Test Part Description:

1. Transparent plastic film

Note:

- (1) mg/kg = ppm
- (2) ND = Not Detected
- (3) MDL = Method Detection Limit
- (4) ##=The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE is included in the sum of PBDE after 01.07.2008.
- (5) “-” = Not Regulated
- (6) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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