



## TEST REPORT

REFERENCE NO.:MNLH18060987

APPLICANT: **MEGA PACKAGING CORPORATION.**  
AIRSTrip ROAD, CANLUBANG INDUSTRIAL ESTATE,  
CANLUBANG, CALAMBA, LAGUNA  
ATTN: **NINIA D. CABALLERO**

JOB NO.: ERT10-04837  
DATE: 29 JUNE 2018

SAMPLE DESCRIPTION:  
ONE (1) SUBMITTED SAMPLE (100G) SAID TO BE CO-POLYMER.

DATE SAMPLE RECEIVED: 11 JUNE 2018  
DATE OF ANALYSIS: 13 - 27 JUNE 2018

TESTS CONDUCTED:  
AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGES TWO TO FIVE.

### CONCLUSION:


TESTED SAMPLE  
SUBMITTED SAMPLE

STANDARD  
WITH REFERENCE TO TEST METHOD OF  
IEC 62321 AND MAXIMUM CONCENTRATION  
LIMITS QUOTED FROM  
NEW RoHS DIRECTIVE 2015/863/EU

RESULT  
PASS

CHECKED AND APPROVED BY:

SIGNED FOR THE COMPANY BY:

  
**GLORIA L. LOPEZ, RCh**  
LABORATORY MANAGER /  
PRC LIC. 9442

  
**SANDRA E. BUCAR**  
COUNTRY MANAGING DIRECTOR

gkpe/rpu

Estimation of measurement uncertainty is available upon request.

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Attention is drawn to the terms and conditions which was agreed and signed upon together with the proposal or test application form.

Intertek Testing Services Philippines, Inc.

Intertek Building, 2207 Chino Road, Alabang, Muntinlupa City, Philippines

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(A) TEST RESULT SUMMARY:

TESTING ITEM	RESULTS (ppm)
<b>HEAVY METAL</b>	
CADMIUM (Cd) CONTENT (mg/kg)	ND
LEAD (Pb) CONTENT (mg/kg)	ND
MERCURY (Hg) CONTENT (mg/kg)	ND
CHROMIUM (VI)(Cr <sup>6+</sup> ) (mg/kg)	ND
<b>POLYBROMINATED BIPHENYLS (PBBs) #</b>	
MONOBROMOBIPHENYL (MonoBB)	ND
DIBROMOBIPHENYL (DiBB)	ND
TRIBROMOBIPHENYL (TriBB)	ND
TETRABROMOBIPHENYL (TetraBB)	ND
PENTABROMOBIPHENYL (PentaBB)	ND
HEXABROMOBIPHENYL (HexaBB)	ND
HEPTABROMOBIPHENYL (HeptaBB)	ND
OCTABROMOBIPHENYL (OctaBB)	ND
NONABROMOBIPHENYL (NonaBB)	ND
DECABROMOBIPHENYL (DecaBB)	ND
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs) #</b>	
MONOBROMODIPHENYL ETHER (MonoBDE)	ND
DIBROMODIPHENYL ETHER (DiBDE)	ND
TRIBROMODIPHENYL ETHER (TriBDE)	ND
TETRABROMODIPHENYL ETHER (TetraBDE)	ND
PENTABROMODIPHENYL ETHER (PentaBDE)	ND
HEXABROMODIPHENYL ETHER (HexaBDE)	ND
HEPTABROMODIPHENYL ETHER (HeptaBDE)	ND
OCTABROMODIPHENYL ETHER (OctaBDE)	ND
NONABROMODIPHENYL ETHER (NonaBDE)	ND
DECABROMODIPHENYL ETHER (DecaBDE)	ND

REMARKS: mg/kg = MILLIGRAM PER KILOGRAM BASED ON DRY WEIGHT OF SAMPLE = ppm

ND = NOT DETECTED

# = TESTS CONDUCTED AT INTERTEK THAILAND

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TESTED COMPONENT: CO-POLYMER

(B) RoHS REQUIREMENT:

RESTRICTED SUBSTANCES	LIMITS
CADMIUM (Cd)	0.01% (100 ppm)
LEAD (Pb)	0.1% (1000 ppm)
MERCURY (Hg)	0.1% (1000 ppm)
CHROMIUM (VI) (Cr <sup>6+</sup> )	0.1% (1000 ppm)
POLYBROMINATED BIPHENYLS (PBBs)	0.1% (1000 ppm)
POLYBROMINATED DIPHENYL ETHERS (PBDEs)	0.1% (1000 ppm)

THE ABOVE LIMITS WERE QUOTED FROM NEW RoHS DIRECTIVE 2015/863/EU FOR HOMOGENEOUS MATERIAL.

(C) TEST METHOD:

TESTING ITEM	TESTING METHOD	REPORTING LIMIT
CADMIUM (Cd) CONTENT	WITH REFERENCE TO IEC 62321-5 EDITION 1.0 : 2013-06 BY MICROWAVE DIGESTION UNTIL THE TESTED SAMPLES ARE TOTALLY DISSOLVED AND DETERMINED BY ICP-OES	5 ppm
LEAD (Pb) CONTENT	WITH REFERENCE TO IEC 62321-5 EDITION 1.0 : 2013-06 BY MICROWAVE DIGESTION UNTIL THE TESTED SAMPLES ARE TOTALLY DISSOLVED AND DETERMINED BY ICP-OES	13 ppm
MERCURY (Hg) CONTENT	WITH REFERENCE TO IEC 62321-4 EDITION 1.0 : 2013-06 BY MICROWAVE DIGESTION UNTIL THE TESTED SAMPLES ARE TOTALLY DISSOLVED AND DETERMINED BY ICP-OES	13 ppm
CHROMIUM (VI) (Cr <sup>6+</sup> ) CONTENT	WITH REFERENCE TO IEC 62321-7 EDITION 1.0 : 2015, IN ANNEX C, BY ALKALINE DIGESTION AND DETERMINED BY UV-VIS SPECTROPHOTOMETER	1 ppm
POLYBROMINATED BIPHENYLS (PBBs)	WITH REFERENCE TO IEC 62321-6 EDITION 1.0: 2015, BY SOLVENT EXTRACTION AND DETERMINED BY GC/MS AND FURTHER HPLC CONFIRMATION WHEN NECESSARY	5 ppm
POLYBROMINATED DIPHENYL ETHERS (PBDEs)	WITH REFERENCE TO IEC 62321-6 EDITION 1.0: 2015, BY SOLVENT EXTRACTION AND DETERMINED BY GC/MS AND FURTHER HPLC CONFIRMATION WHEN NECESSARY	5 ppm

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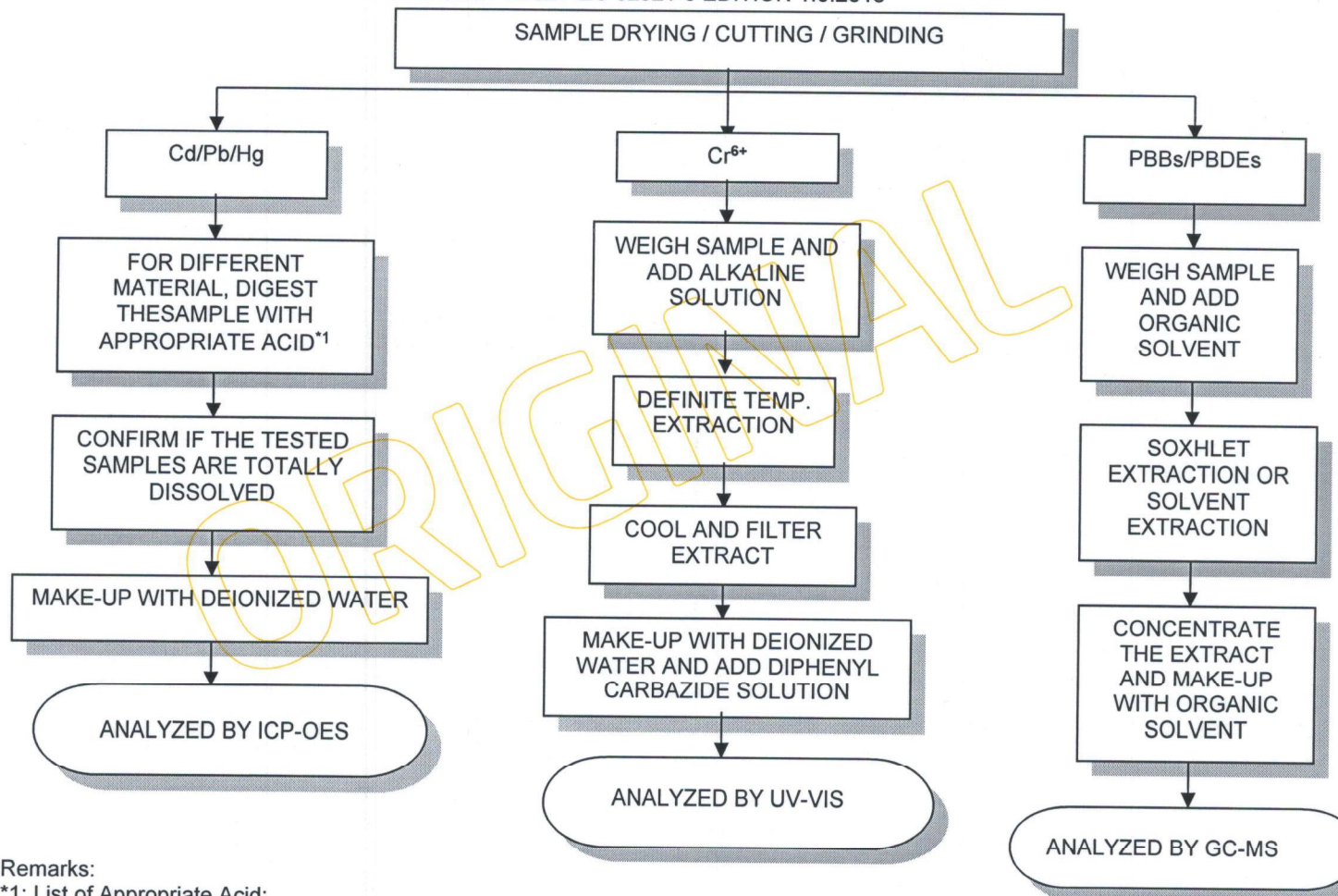
### (D)MEASUREMENT FLOWCHART:

TEST FOR Cd / Pb / Hg / CHROMIUM (VI)/ PBBs/ PBDEs

REFERENCE STANDARD: Pb& Cd: IEC 62321-5 Ed.1.0:2013-06 / Hg: IEC 62321-4 Ed.1.0:2013-06

Cr<sup>6+</sup>: IEC 62321-7 Ed1.0:2015ANNEX C

PBBs/PBDEs: IEC 62321-6 EDITION 1.0:2015



#### Remarks:

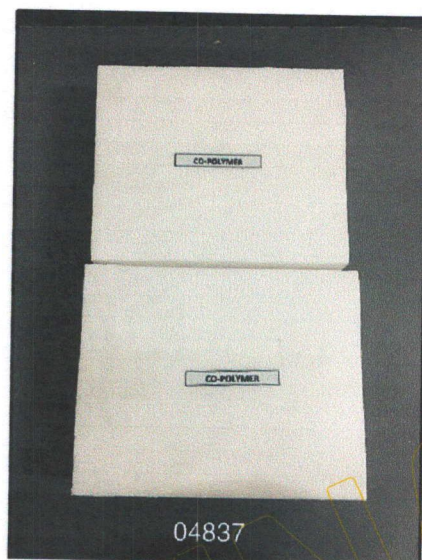
\*1: List of Appropriate Acid:

Material	Acid added for digestion
Polymers	HNO <sub>3</sub> , HCl



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END OF REPORT

ORIGINAL

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