



TEST REPORT

LAB NO. : (9325)262-1353
DATE : Oct 11, 2025
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APPLICANT : **NINE DRAGONS PAPER INDUSTRIES (DONG GUAN) CO., LTD**
XINSHA PORT INDUSTRY ZONE, MAYONG TOWN,
DONGGUAN, GUANGDONG, CHINA

DATE OF SUBMISSION : Sep 19, 2025

TEST PERIOD : Sep 19, 2025 to Sep 29, 2025

SAMPLE DESCRIPTION : HIGH PERFORMANCE CORRUGATED MEDIUM (High strength corrugated paper series: 45、47、50、60、65、70、80、85、90、100、105、110、115、120、125、130、135、140、150、160、170、180GSM Bobbin Paper 390GSM)

Color: /
Style no. / Model no.: corrugated
P.O. No.: /
Country of Origin: /
Country of Destination: /

BUYER : /

MANUFACTURER : /

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Heavy Metals Content in Packaging or Packaging Materials - United States Toxics in Packaging Clearinghouse (TPCH), Model Toxics in Packaging Legislation with Revisions up to July 2012	PASS	
Phthalates Content	PASS	
Halogen (Fluorine, Chlorine, Bromine and Iodine) Content	DATA	

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SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

ITEM	ITEM DESCRIPTION
1	Brown paper

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (GUANGZHOU) CO., LTD.

ANDY WANG
OPERATION MANAGER



REMARK

If there are questions or concerns on this report, please contact the following persons:

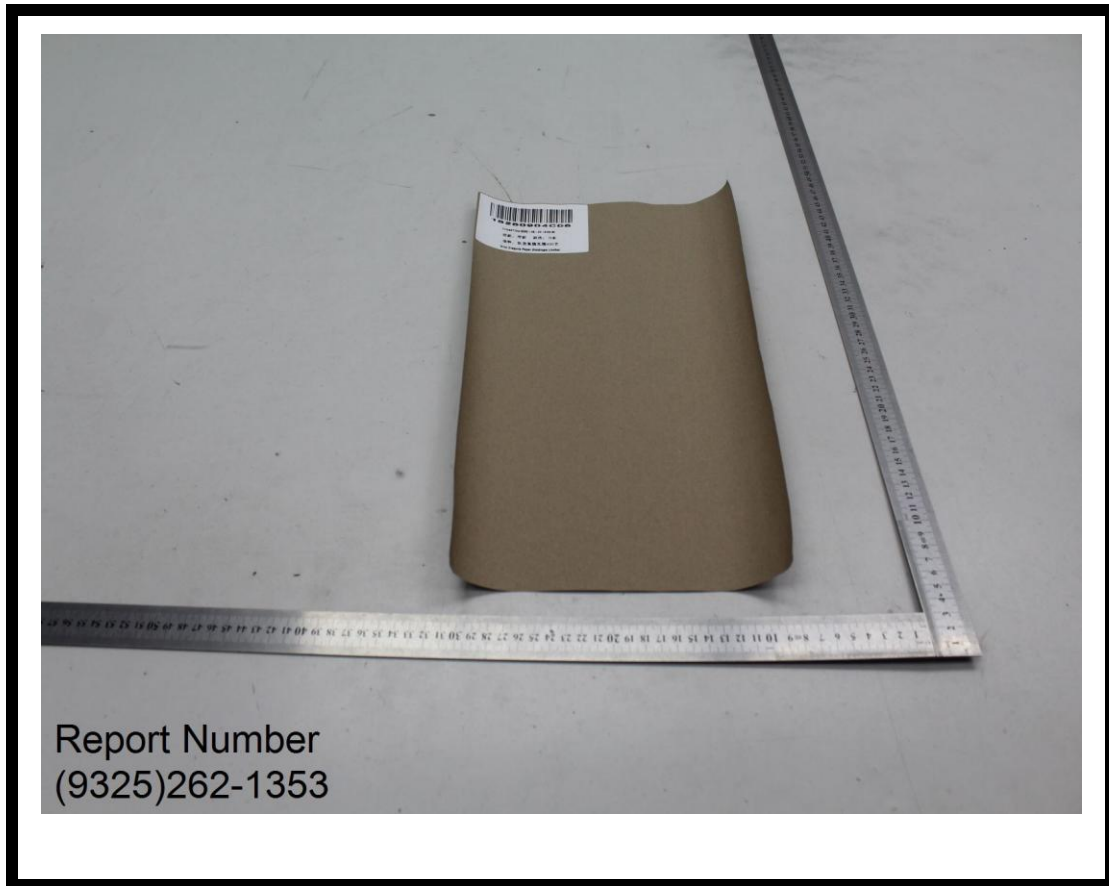
- a) GENERAL TEL: (86)755 83437287
FAX: (86)755 83439100
b) BUSINESS SZ TEL: (86)755 21534695
FAX: (86)755 83439100
BUSINESS GZ TEL: (86) 20 87148525
FAX: (86) 20 87148528

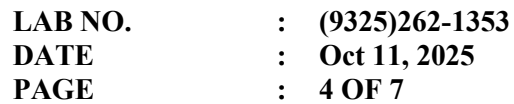
EMAIL: eechemical.sc@bureauveritas.com
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Photo of the Submitted Sample





Heavy Metals Content in Packaging or Packaging Materials - United States Toxics in Packaging Clearinghouse (TPCH), Model Toxics in Packaging Legislation with Revisions up to July 2012

Heavy Metal(s)	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Hexavalent Chromium (Cr VI)
Maximum Allowable Limit (mg/kg)	100 mg/kg (Sum of Pb, Cd, Hg and Cr VI)			

ND = Not detected ">" = Greater than
mg/kg = milligram(s) per kilogram = ppm = part(s) per million 10 000 mg/kg = 1 %
% = percent U. S. EPA = United States Environmental Protection Agency
Detection Limit (mg/kg) : Each 5(Pb, Cd, Cr VI, Hg), Sum : 20

- This legislation was originally drafted by the Source Reduction Council of the Coalition of Northeastern Governors (CONEG).
- According to Model Toxics in Packaging Legislation with Revisions up to July 2012, Section 5(c), exemption were granted to recycled materials containing up to 200 milligrams per kilogram for the sum of lead, cadmium, mercury and hexavalent chromium.
- Unless further specified, the reported result(s) of Test Item(s) was (were) performed by total metal(s) content analysis through complete decomposition.



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TEST RESULT

Phthalates Content

Test Method : Sample was extracted with organic solvent and then analyzed by Liquid Chromatograph Mass Spectrometer / Gas Chromatograph Mass Spectrometer.

Client's Limit :	0.1% (Each)			
Test Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
1	ND	ND	%	PASS

Note / Key :

ND = Not detected

">" = Greater than

Conc. = Concentration

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

% = percent

1 % = 10 000 mg/kg

Detection Limit (%) - Each : 0.005

Remark :

- The list of phthalates is summarized in table of Appendix.

APPENDIX

List of Phthalates:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Diisobutyl phthalate (DIBP)	131-11-3	7	Di-n-hexyl phthalate (DnHP)	84-75-3
2	Dibutyl phthalate (DBP)	84-74-2	8	Di-2-ethylhexyl phthalate (DEHP)	117-81-7
3	Butyl benzyl phthalate (BBP)	85-68-7	9	Di-n-octyl phthalate (DNOP)	117-84-0
4	Di-iso-decyl phthalate (DIDP)	26761-40-0	10	Di-iso-nonyl phthalate (DINP)	28553-12-0 & 68515-48-0
5	Di-n-pentyl phthalate (DnPP or DPENP)	131-18-0	11	Di-cyclohexyl phthalate (DCHP)	84-61-7
6	Dimethylphthalate (DMP)	131-11-3	12	Diethyl phthalate (DEP)	84-66-2



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TEST RESULT

Halogen (Fluorine, Chlorine, Bromine and Iodine) Content

Test Method : Sample was firstly combusted and absorbed with solvent. The solution was then analysed by Ion Chromatography. (reference to EN14582:2016)

Parameter	Unit	MDL	Result	Client's Limit
			1*	
Fluorine (F)	mg/kg	20	23	-
Chlorine (Cl)	mg/kg	50	406	-
Bromine (Br)	mg/kg	50	ND	-
Iodine (I)	mg/kg	50	ND	-
Conclusion	-	-	DATA	-

Note / Key :

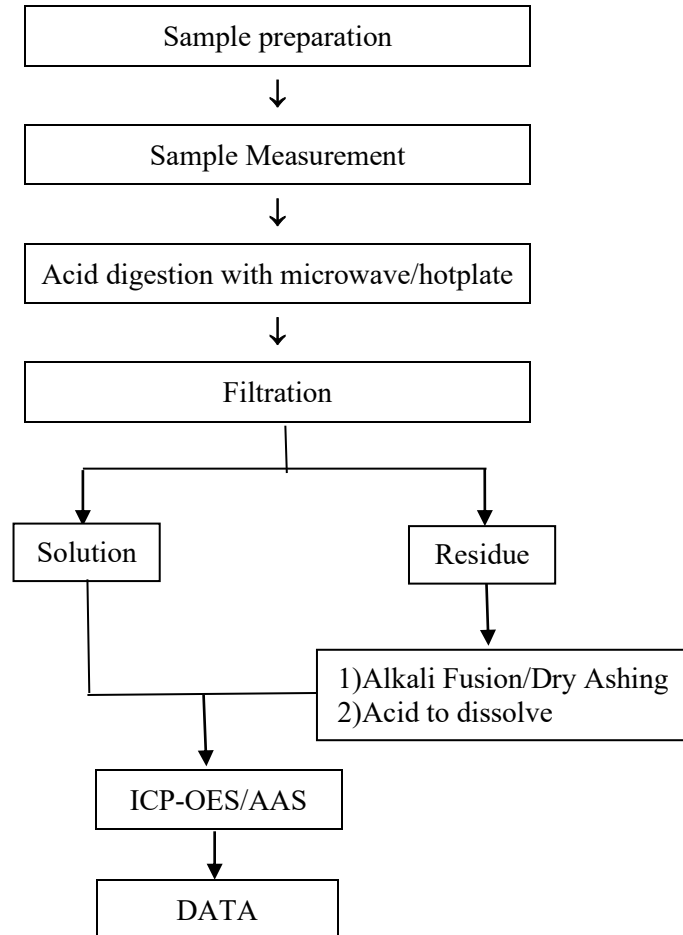
ND = Not detected

"<" = less than

mg/kg = milligram per kilogram

Remark: "*" The above results were transferred from (9325)262-1359 dated on Oct 11, 2025.

APPENDIX – TEST PROCESS



END