



# TEST REPORT

LAB NO. : (9325)262-1316  
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 30, 2025

**SAMPLE DESCRIPTION** : WHITE TOP KRAFT LINER BOARD (White faced kraft paper series: 105、110、120、125、126、135、140、160、170、175、200GSM)

Color: /  
Style no. / Model no.: White faced cow card  
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       |        |

## SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

| ITEM | ITEM DESCRIPTION   |
|------|--------------------|
| 1    | White/ brown paper |

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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:

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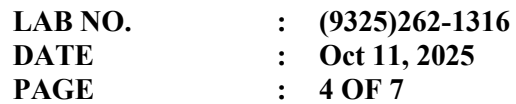
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Photo of the Submitted Sample





**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.

| <b>Client's Limit :</b> | <b>0.1% (Each)</b>  |       |      |            |
|-------------------------|---------------------|-------|------|------------|
| 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                   | Diisobuty 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  | ND     | -              |
| Chlorine (Cl)     | mg/kg | 50  | 204    | -              |
| Bromine (Br)      | mg/kg | 50  | ND     | -              |
| Iodine (I)        | mg/kg | 50  | ND     | -              |
| <b>Conclusion</b> | -     | -   | DATA   | -              |

Note / Key :

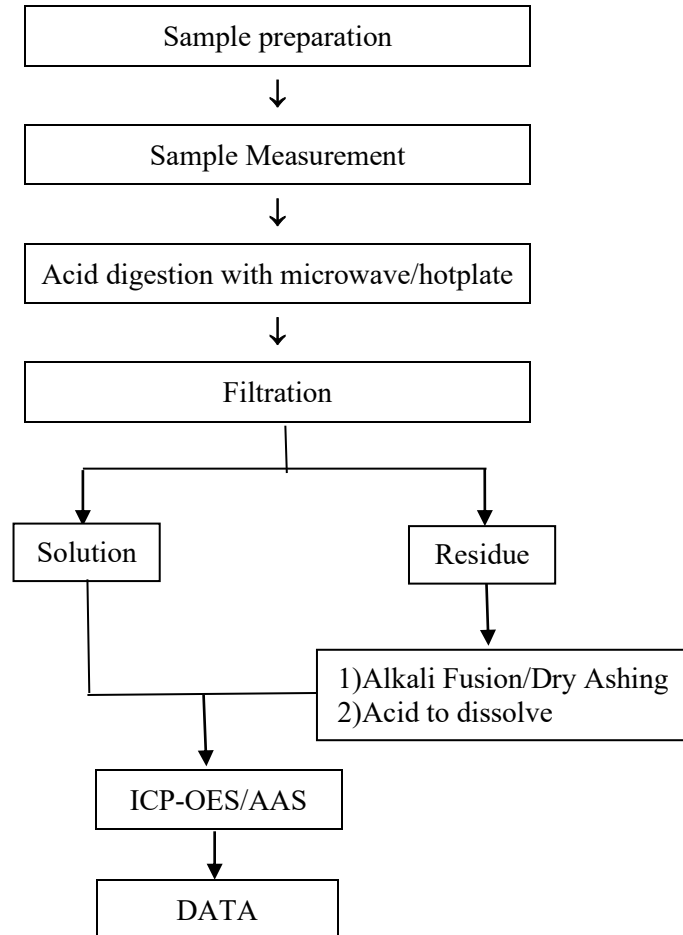
ND = Not detected

"<" = less than

mg/kg = milligram per kilogram

Remark: "\*" The above results were transferred from (9325)262-1298 dated on Oct 11, 2025.

APPENDIX – TEST PROCESS



END