

Test Report

No.: 70.431.25.13720.01

Date: 2025-05-27



Applicant: PF CONCEPT INTERNATIONAL COÖPERATIEF U.A.
Address: KABELWEG 1 2371 DX ROELOFARENDSEEN THE NETHERLANDS
Item No: 10625790
Description: Alder 365 notebook bk
PO No.: PO#669391
Vendor No.: #11506
Factory No.: #12757
Country of Origin: CHINA
Country of Destination: EU
Receipt Date of Sample: 2025-05-20
Date of Testing: 2025-05-20 ~ 2025-05-27
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item	Conclusion
1. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 51 & 52 - Phthalates Content	Pass
2. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 50 - Polycyclic Aromatic Hydrocarbons (PAHs)	Pass
3. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 43 - Azocolourants Content	Pass
4. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 23 - Cadmium Content	Pass
5. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 63 - Lead Content	Pass
6. European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs) - Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	Pass
7. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320), 2-(2H-benzotriazol-2-yl)-4,6-ditertpentyphenol (UV-328), 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) and 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350), 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329), Bumetrizole (UV-326)	<0.1% w/w
8. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 4-[4,4-bis(dimethylamino)benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammo- nium chloride(C.I. Basic Violet 3)	Pass
9. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Tris(2-chloroethyl) phosphate (TCEP)	Pass
10. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	<0.1% w/w
11. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Phthalates	Pass
12. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	<0.1% w/w
13. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Dibutylbis(pentane-2,4dionato-O,O')tin Content	<0.1% w/w

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Test Item

Test Item	Conclusion
14. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) -2-methylimidazole Content	<0.1% w/w
15. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	<0.1% w/w
16. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	<0.1% w/w

Remarks: 1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. <= Less than
4. 1 mg/kg = 1 ppm = 0.0001%

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
Testing Center

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- (5) Disclaimer Measurement Uncertainty:
Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

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Description of Tested Subject:

Sample	Description	Photo
001	Alder 365 notebook bk	

T. No	Sample	Description
T1	002	Black PU leather (cover)
T2	003	Cream paper with black printing (inner paper)
T3	004	Brown cardboard (inner cover)
T4	005	Black fabric ribbon
T5	006	Red fabric ribbon
T6	007	Blue fabric ribbon
T7	008	Black elastic band
T8	009	Cream fabric
T9	010	Transparent plastic
T10	011	Blue plastic sticker
T11	012	Green plastic sticker
T12	013	Yellow plastic sticker
T13	014	Orange plastic sticker
T14	015	Pink plastic sticker

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Test Result(s):

1. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 51 & 52 - Phthalates Content

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+008
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	%	0.005	-	ND
Dibutyl phthalate, DBP	84-74-2	%	0.005	-	ND
Benzyl butyl phthalate, BBP	85-68-7	%	0.005	-	ND
Diisobutylphthalate, DIBP	84-69-5	%	0.005	-	ND
Sum of DBP, BBP, DEHP, DIBP	-	%	0.005	0.1	ND
Di-isononyl phthalate, DINP	28553-12-0 /68515-48-0	%	0.005	-	ND
Di-isodecyl phthalate, DIDP	26761-40-0 /68515-49-1	%	0.005	-	ND
Di-n-octyl phthalate, DNOP	117-84-0	%	0.005	-	ND
Sum of DINP, DIDP, DNOP	-	%	0.005	0.1	ND
Conclusion					Pass

2. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 50 - Polycyclic Aromatic Hydrocarbons (PAHs)

Test with reference to AfPS GS 2019:01PAK, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					008
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.1	1	ND
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.1	1	ND
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.1	1	ND
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.1	1	ND
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.1	1	ND
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.1	1	ND
Chrysene (CHR)	218-01-9	mg/kg	0.1	1	ND
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.1	1	ND
Conclusion					Pass

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3. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 43 - Azocolourants Content

Test with reference to EN ISO 14362-1:2017& EN ISO 14362-3:2017,determination by GC-MS/HPLC.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					005+006+007	008
4-aminobiphenyl	92-67-1	mg/kg	5.0	30	ND	ND
Benzidine	92-87-5	mg/kg	5.0	30	ND	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5.0	30	ND	ND
2-naphthylamine	91-59-8	mg/kg	5.0	30	ND	ND
o-aminoazotoluene	97-56-3	mg/kg	5.0	30	ND	ND
5-nitro-o-toluidine	99-55-8	mg/kg	5.0	30	ND	ND
4-chloroaniline	106-47-8	mg/kg	5.0	30	ND	ND
2,4-diaminoaniso	615-05-4	mg/kg	5.0	30	ND	ND
4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5.0	30	ND	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	5.0	30	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5.0	30	ND	ND
3,3'-dimethylbenzidine	119-93-7	mg/kg	5.0	30	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5.0	30	ND	ND
p-cresidine	120-71-8	mg/kg	5.0	30	ND	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	mg/kg	5.0	30	ND	ND
4,4'-oxydianiline	101-80-4	mg/kg	5.0	30	ND	ND
4,4'-thiodianiline	139-65-1	mg/kg	5.0	30	ND	ND
o-toluidine	95-53-4	mg/kg	5.0	30	ND	ND
2,4-toluenediamine	95-80-7	mg/kg	5.0	30	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5.0	30	ND	ND
2-methoxyaniline	90-04-0	mg/kg	5.0	30	ND	ND
2,4-xylydine	95-68-1	mg/kg	5.0	30	ND	ND
2,6-xylydine	87-62-7	mg/kg	5.0	30	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	5.0	30	ND	ND*
Conclusion					Pass	Pass

Interpretation of test results:

- (1) In the case of the measured value per amine component ≤ 30 mg/kg and according to the analysis carried out, the azo colourants banned under the Annex XVII of Regulation (EC) No. 1907/2006, REACH are not detected in the article submitted.
- (2) Banned AZO dyes in accordance to REACH regulation (EC) No. 1907/2006 and Amendment No. 552/2009 Annex XVII Item 43 (formerly known as 2002/61/EC)

Remark : * Indicate the content of 4-Aminoazobenzene was confirmed with reference to EN ISO 14362-3:2017 by GC-MS.

4. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 23 - Cadmium Content

Test with reference to EN 1122:2001 Method B, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
002+008+009	mg/kg	10.0	100	ND	Pass
003+004	mg/kg	10.0	100	ND	Pass
005+006+007	mg/kg	10.0	100	ND	Pass
010+011+012	mg/kg	10.0	100	ND	Pass
013+014+015	mg/kg	10.0	100	ND	Pass

5. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 63 - Lead Content

Test with reference to in-house method, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
002+008+009	mg/kg	10.0	500	ND	Pass
003	mg/kg	10.0	500	ND	Pass
005+006+007	mg/kg	10.0	500	ND	Pass
010+011+012	mg/kg	10.0	500	ND	Pass
013+014+015	mg/kg	10.0	500	ND	Pass

6. European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs) - Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					008
SCCP	85535-84-8	mg/kg	100	1500	ND
Conclusion					Pass

7. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320), 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328), 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) and 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350), 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329), Bumetrizole (UV-326)

Test with reference to in-house method, determination by LC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+005+006+007+008+011+012+013+014+015
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	%	0.01	0.1	ND
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	%	0.01	0.1	ND
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	%	0.01	0.1	ND
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	%	0.01	0.1	ND
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329),	3147-75-9	%	0.01	0.1	ND
Bumetrizole (UV-326)	3896-11-5	%	0.01	0.1	ND

8. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 4-[4,4-bis(dimethylamino)benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)

Test with reference to in-house method, determination by LC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					008
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	%	0.01	0.1	ND
Conclusion					Pass

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9. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Tris(2-chloroethyl) phosphate (TCEP)

Test with reference to in-house method, determination by LC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+008
Tris (2-chloroethyl) phosphate	115-96-8	%	0.01	0.1	ND
Conclusion					Pass

10. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)

Test with reference to in house method and determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+005+006+007+008+011+012+013+014+015
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	% w/w	0.01	0.1	ND

11. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Phthalates

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+008
Benzylbutylphthalate (BBP)	85-68-7	%	0.01	0.1	ND
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	%	0.01	0.1	ND
Dibutylphthalate (DBP)	84-74-2	%	0.01	0.1	ND
Diisobutyl Phthalate (DIBP)	84-69-5	%	0.01	0.1	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	0.1	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	0.1	ND
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	%	0.01	0.1	ND
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	0.1	ND
Diisopentylphthalate (DIPP)	605-50-5	%	0.01	0.1	ND
N-pentyl-isopentylphthalate	776297-69-9	%	0.01	0.1	ND

Laboratory:

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Dipentyl phthalate (DPP)	131-18-0	%	0.01	0.1	ND
Di-n-hexyl phthalate (DnHP/DHP/DHEXP)	84-75-3	%	0.01	0.1	ND
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	0.1	ND
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5, 68648-93-1	%	0.01	0.1	ND
Dicyclohexyl phthalate(DCHP)	84-61-7	%	0.01	0.1	ND
Diisohexyl phthalate (DIHxP)	71850-09-4	%	0.01	0.1	ND
Conclusion					Pass

12. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)

Test with reference to in house method and determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+005+006+007+008+011+012+013+014+015
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	% w/w	0.01	0.1	ND

13. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Dibutylbis(pentane-2,4dionato-O,O')tin Content

Test with reference to in house method and determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+005+006+007+008+011+012+013+014+015
Dibutylbis(pentane-2,4dionato-O,O')tin Content	22673-19-4	% w/w	0.01	0.1	ND

14. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) -2-methylimidazole Content

Test with reference to in house method and determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+005+006+007+008+011+012+013+014+015
2-methylimidazole	693-98-1	% w/w	0.01	0.1	ND

15. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone

Test with reference to in house method and determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+005+006+007+008+011+012+013+014+015
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	% w/w	0.01	0.1	ND

16. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one

Test with reference to in house method and determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					002+005+006+007+008+011+012+013+014+015
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	% w/w	0.01	0.1	ND

-End of Test Report-