

Test Report No.: Z128100733a

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Client: PT. GRADIAL PERDANA PERKASA
 JL. Simo Tambaan II/72A
 Contact Person: Agustinus Sutanto

Sample Description As Declared :

No. Of Sample	: One
Fibre Content	: -
Material	: Pig Grain Leather Ice Pink
Finishing	: -
End Uses	: Children Shoes
Colour	: -
Style No.	: -
Style Name#	: -
Order No./PO No.	: -
Standard	: -
Buyer's Name	: BOBUX
Manufacturer's Name	: -
Ref.	: -

Applicant's Provided -
Care Instruction/Label :
Sample Receiving date: 2012-10-11

Testing period: 2012-10-11 to 2012-10-16

Delivery condition: Apparent good, Samples tested as received

Test specification:

 According to customer requirement:
 Please refer to page 2

Test result:

PASS

 For and on behalf of
 TÜV Rheinland (Shenzhen) Co., Ltd.



2012-10-22

Joby Sun / Project Chemist

Date

Name/Position



Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

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Conclusion

	Material 1
Chromium VI Content in Leather	P
Formaldehyde content	P
Banned azo dyes	P
Pentachlorophenol (PCP) and Tetrachlorophenol (TeCP), Trichlorophenol (TriCP)	P
Phthalates content	P

Note : P = Pass

= No Comment

N/A = Not Applicable

F = Fail

- = Did Not Perform

* = See Remark



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Material list

Material No.	Material	Color	Location
1	Leather	Pink	Pig grain leather ice pink

Chromium VI Content in Leather**Test method:** ISO 17075:2007**Test result:**

Test No.	Material No.	Test Parameter	Unit	RL	Customer requirement	Test Result	Conclusion
1	1	Chromium VI Content	mg/kg	1.5	3	n.d.	Pass

Abbreviation: n.d. = not detected (< Reporting Limit)
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Formaldehyde content**Test method:** ISO 17226-1: 2008**Test result**

Test No.	Material No.	Test Parameter	Unit	RL	Customer requirement	Test Result	Conclusion
1	1	Formaldehyde content	mg/kg	10	50	16	Pass

Abbreviation: n.d. = not detected (< Reporting Limit)
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

* The sample was packed in polyethylene bag and wrapped by aluminum foil prior to test.



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Banned azo dyes**Test method:** ISO 17234-1:2010**Test result:**

Test No.	Material No.	Test Parameter	Method	Unit	RL	Customer requirement	Test Result	Conclusion
1	1	Azo dyes	ISO 17234-1	mg/kg	5	30	n.d.	Pass

Abbreviation: n.d. = not detected (< Reporting Limit)
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

- * The CAS-number 97-56-3 (A5) and 99-55-8 (A6) are further reduced to CAS-number 95-53-4 (A18) and 95-80-7 (A19).
- ** Azo colorants that are able to form CAS-number 60-09-03 (A22), generate under the condition of this method CAS-number 62-53-3 (A25) and 106-50-3 (A26).
- *** Azo colorants that are able to form 4-aminoazobenzene (A22), is confirmed by 64 LFGB B 82.02-9:2006+A1:2008.
- **** Azo colorants are detected & quantified by GC/MS and confirmed by LC/MS.



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List of azo colorants being tested:

ID	Azo colorant	CAS No.	ID	Azo colorant	CAS No.
A1	biphenyl-4-ylamine / 4-aminobiphenyl / xenylamine	92-67-1	A14	p-cresidine	120-71-8
A2	benzidine	92-87-5	A15	4,4'-methylene-bis-(2-chloro-aniline) / 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4
A3	4-chloro-o-toluidine	95-69-2	A16	4,4'-oxydianiline	101-80-4
A4	2-naphthylamine	91-59-8	A17	4,4'-thiodianiline	139-65-1
A5**	o-aminoazotoluene / 4-amino-2',3'-dimethylazobenzene / 4-o-tolylazo-o-toluidine	97-56-3	A18	o-toluidine / 2-aminotoluene	95-53-4
A6**	5-nitro-o-toluidine	99-55-8	A19	4-methyl-m-phenylenediamine	95-80-7
A7	4-chloroaniline	106-47-8	A20	2,4,5-trimethylaniline	137-17-7
A8	4-methoxy-m-phenylenediamine	615-05-4	A21	o-anisidine / 2-methoxyaniline	90-04-0
A9	4,4'-methylenedianiline / 4,4'-diaminodiphenylmethane	101-77-9	A22***	4-aminoazobenzene	60-09-3
A10	3,3'-dichlorobenzidine / 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	A25	Aniline	62-53-3
A11	3,3'-dimethoxybenzidine	119-90-4	A26	4-aminoaniline	106-50-3
A12	3,3'-dimethylbenzidine / 4,4'-bi-o-toluidine	119-93-7			
A13	4,4'-methylenedi-o-toluidine	838-88-0			

*1. The fibre composition stated on material list is claimed by client.



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Pentachlorophenol (PCP) and Tetrachlorophenol (TeCP), Trichlorophenol (TriCP)**Test method:** Ref. to DIN EN ISO 17070:2007**Test result**

Test No.	Material No.	Test Parameter	Unit	RL	Customer requirement	Test Result	Conclusion
1	1	Pentachlorophenol (PCP)	mg/kg	0.5	1	n.d.	Pass
		Tetrachlorophenol (TeCP)	mg/kg	0.5	1	n.d.	
		Trichlorophenol (TriCP)	mg/kg	0.5	1	n.d.	

Abbreviation: n.d. = not detected (<Reporting Limit)
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Phthalates content**Test method:** Organic solvent extraction, analyzed by GCMS**Test result**

Parameter	CAS No.	Unit	RL	Test No.	Material No.	Customer requirement	Result
				1	1		
Dibutyl phthalate (DBP)	84-74-2	%	0.005	--	--	n.d.	
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	--	--	n.d.	
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	--	--	n.d.	
Sum (DBP+BBP+DEHP)		%	NA	0.1		n.d.	
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	--	--	n.d.	
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	--	--	n.d.	
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	--	--	n.d.	
Sum (DNOP+DIDP+DINP)		%	NA	0.1		n.d.	
Conclusion						Pass	

Abbreviation: n.d. = not detected (< Reporting Limit)
 RL = Reporting Limit
 NA = Not Applicable
 % = percentage

Remark:

*1 Single components with an amount of <0.005% were not considered by the calculation of the sum
 In the case of all 6 Phthalates were not detected, the result is stated n.d.



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Sample Photo:

Material No. 1



- END -

