

Test Part Description

Specimen No.	Description
001	Bamboo

Test Result:
Sensorial examination odour and taste test

Test Method: With reference to DIN 10955:2004

Test media: Deionized Water

Test Item(s)	Limit	Result	Conclusion
		001	
Sensorial examination odour (Point scale)	3	1	Pass
Sensorial examination taste (Point scale)	3	1	Pass

Note:

Scale evaluation:

- 0: No perceptible odour
- 1: Odour just perceptible (still difficult to define)
- 2: Moderate odour
- 3: Moderately strong odour
- 4: Strong odour

Extractable heavy metals

Test Method: With reference to EN 645:1993 (cold water extraction), analysis was performed by UV-Vis and ICP-OES / ICP-MS.

Test Item	Result (mg/dm ²)	MDL (mg/dm ²)	Maximum Permissible Limit (mg/dm ²)	Conclusion
	001			
Extractable Lead	N.D.	0.002	0.003	Pass
Extractable Cadmium	N.D.	0.002	0.002	Pass
Extractable Mercury	N.D.	0.002	0.002	Pass

Note:

- 1. mg/dm² = milligram per square decimeter
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit

Pentachlorophenol (PCP)

Test Method: With reference to LFGB § 64 BVL B 82.02.8 – 2001, analysis was performed by GC-MS.

Item	Unit	Result	MDL	Maximum Permissible Limit	Conclusion
		001			
PCP Content	mg/kg	N.D.	0.1	0.15	Pass

Note:

1. mg/kg = ppm

Preserving effect

Test Method: With reference to EN 1104:2005.

Tested Fungus	Test result	Specification	Conclusion
	001		
Bacillus subtilis ATCC No. 6633	Absent	Absence of zone inhibition	Pass
Aspergillus niger ATCC No.6275	Absent	Absence of zone inhibition	Pass

Note:

1. Absent denotes absence of Antimicrobial constituents which inhibits the growth of tested bacteria and fungus

Fastness of Fluorescent whitening agents

Test Method: As per BS EN 648:2006 procedure B (short time contact).

Item	Test result	Limit	Conclusion
	001		
Deionized Water	No staining	No staining (Grade 5)	Pass
Aqueous Acetic Acid 3.0% (m/v)	No staining	No staining (Grade 5)	Pass
Saliva Simulant 5g/L	No staining	No staining (Grade 5)	Pass
Rectified Olive Oil	No staining	No staining (Grade 5)	Pass

Specific migration of benzophenone

Test Method: With reference to EN 13130-1:2004, analysis was performed by GC-MS. .

Item	Unit	Test result	MDL	Limit	Conclusion
		001			
Specific migration of benzophenone	mg/kg	N.D.	0.2	0.6.	Pass

Specific migration of 4-methylbenzophenone

Test Method: With reference to EN 13130-1:2004, analysis was performed by GC-MS.

Item	Unit	Test result	MDL	Limit	Conclusion
		001			
Specific migration of 4-methylbenzophenone	mg/kg	N.D.	0.2	0.2	Pass

Extractable formaldehyde

Test Method: With reference to EN 645:1994 (cold water extraction) and EN 1541:2001, analysis was performed by UV-Vis.

Item	Unit	Test result	MDL	Limit	Conclusion
		001			
Extractable formaldehyde	mg/dm ²	N.D.	0.1	1	Pass

Bisphenol A (BPA) Content

Method: Solvent extraction, analyzed by High Performance Liquid Chromatograph (HPLC-DAD)..

Test Condition: 100°C 4Hour

Unit	Result	Limit	Conclusion
	001		
mg/kg	N.D.	N.D.	Pass

Note:

1. mg/kg = milligrams of the constituents released per kilogram of foodstuff.
2. N.D. = Not Detected (< RL).
3. RL (Reporting Limit) = 0.1 mg/kg.
4. The requirement in accordance with the Commission Regulation (EU) No 321/2011.

Picture of sample



Photo 1

**** THE END OF REPORT ****