



TEST REPORT

Report No. : MAN:HL:8480005752

DATE : 25th Sep, 2017



J D JONES AND CO PRIVATE LIMITED
9B DR. MARTIN LUTHER KING SARANI, (WOOD STREET) 2ND FLOOR
KOLKATA-700016
INDIA
CONTACT PERSON : MR. RAJIB ROY



THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION GLAND PACKING
COLOUR WHITE
STYLE NO. PACMAAN NA 781 FG
SAMPLE RECD ON 07/09/2017
TEST PERFORMING DATE 11/09/2017 TO 23/09/2017

Test Requested : Please refer to the result summary.

Test Method & Results : Please refer to next page(s).

Result: Summary :

Test Requested	Conclusion
1. Testing as per Commission Regulation (EU) No 10/2011 of 14 January 2011 and hence Article 3 of European Regulation No. 1935/2004. (As per client's request)	--
a) Overall Migration	Pass
b) Specific Migration of Heavy Metals	Pass
2. Polycyclic Aromatic Hydrocarbon (PAH)	See Results
3. In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB) with its amendment, Section 30 and 31, and Regulation (EC) No 1935/2004.	--
Sensory test(DIN 10955)	Pass

Per Pro SGS India Pvt Ltd.

Kapil Patil
Asst. Manager
Email your Test Report Related Enquiries at Feedback.HLT@sgs.com



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DATE : 25th Sep, 2017**Test Results:****1. Testing as per Commission Regulation (EU) No 10/2011 :****a) Overall Migration**

Method: With reference to EN 1186

Simulant Used	Test Condition	Result(mg/dm ²)	Permissible Limit(mg/dm ²)
Distilled water	10 Days at 40°C	6.2	10
Comment	--	PASS	--

Sample Description: GLAND PACKING.Note : 1. mg/dm² = milligram per square decimeter

2. °C = degree Celsius

3. ND = Not Detected

4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

5. *=Exceeds the limit.

b) Specific Migration of Heavy Metals

Method: With reference to EN 13130-1:2004. Analysis was performed by ICP-OES.

Simulant Used: 3% acetic acid (w/v) in aqueous solution

Test Condition: 40°C for 10 days

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Specific Migration of Barium	ND	0.25	1
Specific Migration of Cobalt	ND	0.01	0.05
Specific Migration of Copper	ND	0.25	5
Specific Migration of Iron	ND	0.25	48
Specific Migration of Lithium	ND	0.5	0.6
Specific Migration of Manganese	ND	0.25	0.6
Specific Migration of Zinc	ND	0.5	25
Comment	PASS	--	--

Sample Description: GLAND PACKING.

Note: 1. mg/kg = milligram per kilogram of foodstuff in contact with

2. °C = degree Celsius

3. ND = Not Detected

4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

JOE No. : 1748802992

Page 2 of 6

Control No. 8485005963

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2 POLYCYCLIC AROMATIC HYDROCARBON (PAH):

Test Method: With reference to AFPS GS 2014:01 PAK. Analysis was conducted by Gas Chromatography- Mass Spectrometry.

Test Item	CAS Number	RESULTS (mg/kg)	Reporting Limit (mg/kg)
Naphthalene (NAP)	91-20-3	ND	0.2 mg/kg
Acenaphthylene (ANY)	208-96-8	ND	
Acenaphthene (ANA)	83-32-9	ND	
Fluorene (FLU)	86-73-7	ND	
Phenanthrene (PHE)	85-01-8	ND	
Anthracene (ANT)	120-12-7	ND	
Fluoranthene (FLT)	206-44-0	ND	
Pyrene (PYR)	129-00-0	ND	
Benzo(a)anthracene (BaA)	56-55-3	ND	
Chrysene (CHR)	218-01-9	ND	
Benzo(b)fluoranthene (BbF)	205-99-2	ND	
Benzo(j)fluoranthene(BjF)	205-82-3	ND	
Benzo(k)fluoranthene (BkF)	207-08-9	ND	
Benzo(a)pyrene (BaP)	50-32-8	ND	
Indeno(1,2,3-c,d)pyrene (IPY)	193-39-5	ND	
Dibenzo(a,h)anthracene (DBA)	53-70-3	ND	
Benzo(g,h,i)perylene (BPE)	191-24-2	ND	
Benzo(e)pyrene(BeP)	192-97-2	ND	
Total 18 PAHs	-	ND	

Tested Sample Description: GLAND PACKING.

Note :

1. mg/kg = milligram per kilogram
2. ND = Not Detected
3. Testing has been subcontracted to SGS approved lab.
4. Testing has been performed as per client's request.

JOE No. : 1748802992

Page 3 of 6

Control No. 8485005963

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AfPS (German commission for Product Safety) : GS PAHs requirement

Parameter	Category 1 Material intended to be put in the mouth or toys with intended skin contact (longer than 30 s).	Category 2		Category 3	
		Toy under 2009/48/EC	Other products under ProdSG	Toy under 2009/48/EC	Other products under ProdSG
Naphthalene (mg/kg)	< 1	< 2		< 10	
Acenaphthylene (mg/kg)	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Acenaphthene (mg/kg)					
Fluorene (mg/kg)					
Phenanthrene (mg/kg)					
Anthracene (mg/kg)					
Fluoranthene (mg/kg)					
Pyrene (mg/kg)					
Benzo[a]anthracene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoranthene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[j]fluoranthene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[k]fluoranthene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[a]pyrene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyrene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-cd]pyrene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenz[a,h]anthracene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[g,h,i]perylene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Sum 18 PAH (mg/kg)	<1	< 5	< 10	< 20	< 50

Remark: The German committee on Product Safety (AfPS) adopted a new PAHs document on August 4, 2014, which is taken into account by the GS certification bodies for the certification process of the GS mark now. The transitional arrangements and deadlines contained therein shall determine the procedure for existing certificates and new certificates; also there are exceptions..



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3. Sensorial examination odour and taste test

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB) with its amendment, Section 30 and 31, and Regulation (EC) No 1935/2004.

For material: Sensorial examination of odour and taste

Test Method : With reference to DIN 10955:2004.
Test media: Water
No. of panelist: 6

Test Item(s)	Limit	Results
Test time (days)	-	10
Temperature(°C)	-	40
Sensorial examination odour (Point scale)	2.5	1
Sensorial examination taste (Point scale)	2.5	2
Conclusion		PASS

Sample Description: GLAND PACKING.

Notes :

Scale evaluation:

- 0 – no perceptible difference
- 1 – just perceptible difference
- 2 – slight difference
- 3 – marked difference
- 4 – strong difference

Note:

1. Testing has been performed as per client's request.
2. Permissible limit is according to LFGB with its amendment, Section 30 and 31, and Regulation (EC) No. 1935/2004 of the European Parliament and of the Council of 27 October 2004

JOE No. : 1748802992

Page 5 of 6

Control No 8485005963

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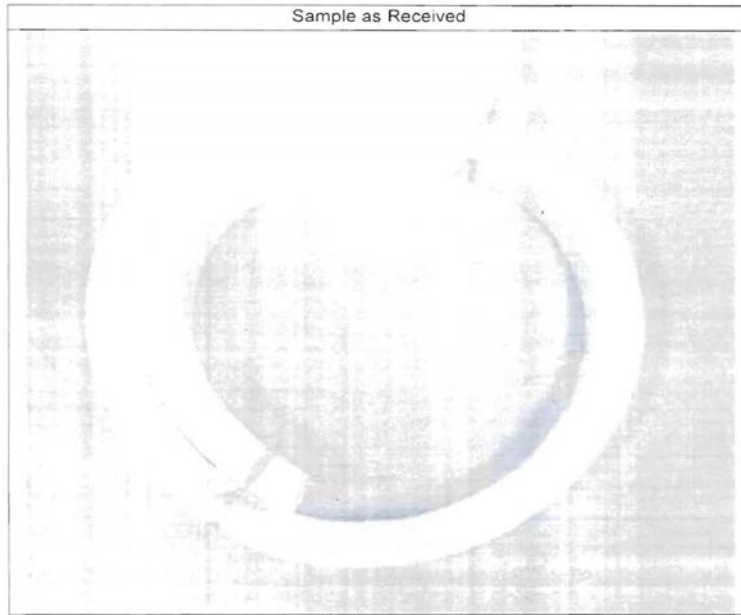
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Sample as Received



***** End of Report *****