

**Test Report**

Report No : TUV(I)/503/22-23/9052210353 Part A

Date : 13 June 2022

**TUV INDIA PRIVATE LIMITED**  
TUV Nord Group  
No.8, VK Commerce,  
II Floor, III Main Road,  
Opp. KSSIDC, IT Park,  
Rajajinagar, Industrial Estate,  
Bangalore - 560 010, India.  
CIN : U74140MH1989PTC052930  
Phone : 080 - 40823000  
Toll Free : 1800-209-0902  
Email : [india@tuv-nord.com](mailto:india@tuv-nord.com)  
Website : [www.tuv-nord.com/in](http://www.tuv-nord.com/in)

Name and address of customer

**Tamil Nadu Newsprint and Papers Ltd. Unit II**  
(A Government of Tamil Nadu Enterprise)  
Mondipatti, K. Periyapatti Post,  
Manapparai Taluk,  
Tiruchirappalli Dist,  
Tamilnadu-621306.

Name of the sample

**Solid Bleached Sulphate Board**

Batch Code

**Batch Code: AFT,AFT-B1,AFS,ALP,ASN**

CA No.

**9052210353**

Date of sample receipt

**12 May 2022**

Date(s) of analysis

**12 May 2022 - 13 June 2022**

Discipline

**Chemical**

Objectives Of Examination

**1.To test for compliance with US FDA 21.CFR.176.170 -  
Chloroform - soluble extractive residues test.**

Sample drawn by

**Customer**

Test Requested

**Selected test(s) as requested by client.**

Result Summary

Test Requested	Conclusion
<b>1.US FDA 21.CFR.176.170 - Chloroform - soluble extractive residues test</b>	<b>PASS</b>



Report No : TUV(I)/503/22-23/9052210353 Part A

Date : 13 June 2022

1.US FDA 21.CFR.176.170 - Chloroform - soluble extractive residues test

Sr. No.	Total Extractive Test Using Simulants	Temperature & Condition	Result	Unit	LOQ	Limits as per US FDA 21.CFR.176.170	Test Method
1	Distilled Water	120 °F-24hr	< LOQ	mg/inch <sup>2</sup>	0.25	0.5	Based on TUVB/02/SOP/27 USFDA 21.CFR.176.170
2	8 % Ethanol	120 °F-24hr	< LOQ	mg/inch <sup>2</sup>	0.25	0.5	
3	50 % Ethanol	120 °F-24hr	< LOQ	mg/inch <sup>2</sup>	0.25	0.5	
4	n - Heptane	70 °F- 0.5hr	< LOQ	mg/inch <sup>2</sup>	0.25	0.5	

Note :

- 1) Sample Complies with US.FDA 21.CFR.176.170 for above tested parameters.
- 2) Sample kept in contact with Simulants above test condition.
- 3) Limits are as per USFDA 21.CFR.176.170
- 4) LOQ : Limit of Quantification







## Test Report

Report No : TUV(I)/503/22-23/9052210353 Part C

Date : 13 June 2022

**TUV INDIA PRIVATE LIMITED**  
TUV Nord Group  
No.8, VK Commerce,  
II Floor, III Main Road,  
Opp. KSSIDC, IT Park,  
Rajajinagar, Industrial Estate,  
Bangalore - 560 010, India.  
CIN : U74140MH1989PTC052930  
Phone : 080 - 40823000  
Toll Free : 1800-208-0902  
Email : foodlabindia@tuv-nord.com  
Website : www.tuv-nord.com/in

Name and address of customer : **Tamil Nadu Newsprint and Papers Limited - Unit II**  
(A Government of Tamil Nadu Enterprise)  
Mondipatti, K. Periyappatti Post,  
Manapparai Taluk, Tiruchirappalli District, Tamil Nadu - 621306  
Tiruchirappalli, Tamil Nadu  
621306

Name of the sample : **Solid Bleached Sulphate Board**

Batch Code : **Batch Code: AFT,AFT-B1,AFS,ALP,ASN**

CA No. : **9052210353**

Date of sample receipt : **12-May-2022**

Date(s) of analysis : **12 May 2022 - 13 June 2022**

Objectives Of Examination : **To test for compliance with BFR XXXVI regulation & EC No: 1907/2006.**  
1) Heavy metal  
2) Specific Migration of Phthalates  
3) Monochloropropanediol (MCPD)  
4) Dichloropropanol (DCP)  
5) Specific Migration of Primary Aromatic Amines  
6) Azo Dyes  
7) Specific Migration of Glyoxal  
8) Optical Brighteners  
9) Nonyl Phenol Ethoxylate (NPEO)  
10) Acrylamide  
11) Anti Microbial Substances  
12) Specific Migration of Bisphenol A  
13) Specific Migration of Dimethylamine

Test Requested : **Selected test(s) as requested by Customer**

Sample drawn by : **Customer**

Conclusion :

The submitted sample To test for BFR XXXVI Regulation, EC No: 1907/2006

For detail Test Results refer further pages



Page 1 of 6

Registered & Head Office : 801, Raheja Plaza - 1, L.B.S. Marg, Ghatkopar (W), Mumbai 400 086.  
Phone : (022) 6647 70000 \* E-mail : infoindia@tuv-nord.com \* Website : www.tuv-nord.com/in

TUV NORD GROUP

Report No : TUV(I)/503/22-23/9052210353 Part C

**1) Heavy metal test**

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
1.1	Lead (Pb)	< LOQ	mg/kg	0.1	Max 3	Based on EN-647 Determined by ICP-OES
1.2	Cadmium (Cd)	< LOQ	mg/kg	0.1	Max 0.5	
1.3	Mercury (Hg)	< LOQ	mg/kg	0.1	Max 0.3	
1.4	Chromium (VI)	< LOQ	mg/kg	0.1	Not Detectable	

Note: The sample Complies above test parameter as per BfR XXXVI Regulation.  
LOQ : Limit of Quantification

**2) Specific Migration of Phthalates**

Sr. No.	Name of Test Parameter	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
2.1	Diethylhexyl phthalate	< LOQ	mg/kg	0.1	Max 1.5	Method based on BS EN 13130 (P1) 2004) by GC-MS
2.2	Di-n-butyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	
2.3	Diisobutyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	
2.4	The sum of Di-n-butyl phthalate & Diisobutyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation  
LOQ : Limit of Quantification





Report No : TUV(I)/503/22-23/9052210353 Part C

**3) Monochloropropanediol (MCPD)**

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
3.1	Monochloropropanediol (MCPD)	< LOQ	µg/kg	10	12.00	Determined by GC-MSMS

The sample Complies above test parameter as per BfR XXXVI Regulation.  
LOQ : Limit of Quantification

**4) Dichloropropanol (DCP)**

Sr. No.	Name of Test	Result	Unit	LOD/LOQ	Limits as per Standard	Test Method
4.1	Dichloropropanol (DCP)	Not Detected	mg/kg	0.01	Not Detectable	Determined by GC-MSMS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation  
LOQ : Limit of Quantification

**5) Specific Migration of Primary Aromatic Amines**

Sr. No.	Name of Test	Result	Unit	Detection Limit	Limits as per Standard	Test Method
5.1	Specific Migration of Primary Aromatic Amines	Not Detected	mg/kg	0.01	0.01	Method based on BS EN 13130(P1) 2004) Determined by GC MSMS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation

**6) Azo Dyes**

Sr. No.	Name of Test	Result	Unit	Detection Limit	Limits as per Standard	Test Method
6.1	Azo Dyes	Not Detected	mg/kg	0.01	Prohibited	Based on EN 14362-1 Determined by GC MSMS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation

**7) Specific Migration of Glyoxal**

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
7.1	Specific Migration of Glyoxal	< LOQ	mg/dm <sup>2</sup>	1.0	NMT 1.5	Method based on BS EN 13130(P1) 2004) Determined by UPLC MS/MS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation  
LOQ : Limit of Quantification



**8) Optical Brightners**

Sr. No.	Name of Test	Result	Limits as per Standard	Test Method
8.1	Optical Brightners (Fluorescent Substances of Wavelength 254 to 465 nm)	No optical Brightners Absorbed @ 254 to 465 nm	No visible transfer	Determined by UV Visible Spectrophotometer Based on EN 648

Note: The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation.

**9) Nonyl Phenol Ethoxylate (NPEO)**

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
9.1	Nonyl Phenol Ethoxylate (NPEO)	< LOQ	mg/kg	0.025	Not Detectable	Determined by UPLC MS/MS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation  
LOQ : Limit of Quantification

**10) Acrylamide**

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
10.1	Acrylamide	< LOQ	mg/kg	0.025	Not Detectable	Determined by UPLC MS/MS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation  
LOQ : Limit of Quantification



Report No : TUV(I)/503/22-23/9052210353 Part C

**11) Microbiological test**

Sr. No.	Name of Test Parameter	Result	Unit	Limits as per BfR XXXVI	Test Method
1.1	Antimicrobial Substances Bacillus subtilus NCIM 2063 Aspergillus niger NCIM 1196	Absence of zone inhibition	—	Absence of zone inhibition*	BS EN 1104:2005

\*- Absence of zone of inhibition indicates should not release substances in quantities which have an antimicrobial effect in the Product against tested bacteria and fungi. The sample Complies above test parameter as per BfR XXXVI Regulation.

**12) Specific Migration of Bisphenol A**

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
12	Specific Migration of Bis Phenol A	< LOQ	mg/kg	0.025	Max 0.050	Cold water extract Followed by LC-MS/MS

The sample Complies above test parameter as per BfR XXXVI Regulation.

LOQ : Limit of Quantification

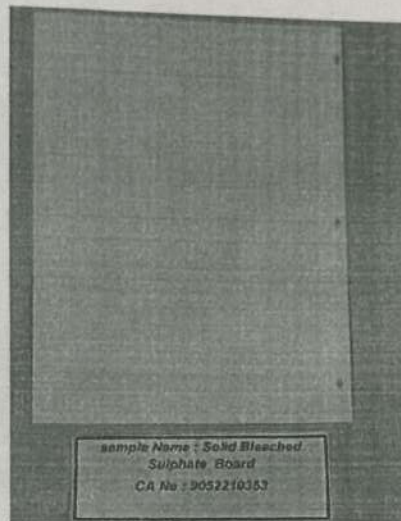
**13) Specific Migration of Dimethylamine**

Sr. No.	Name of Test	Result	Unit	Limits as per BfR XXXVI	Test Method
13	Specific Migration of Dimethylamine	Absent	mg/dm <sup>2</sup>	Not Detectable	Method based on BS EN 13130(P1) 2004) Determined by GC MS/MS

The sample Complies above test parameter as per BfR XXXVI Regulation. Limits as per the BfR XXXVI Regulation

LOQ : Limit of Quantification





Sample image is authentic only for the original test report

Authorized by

**RaghuRam Semmalai**

**Assistant Manager – Material Testing Services**

**Terms and Conditions:**

1. Test Results are based on & related only to the particular sample(s) tested.
2. This Report cannot be re-produced, except when in full, without the written permission from TUV India Pvt. Ltd.
3. This Certificate reflects our findings at the time and place of testing.
4. Sample(s) will be retained by us for a period of one month for non-perishable items only. Perishable items will be destroyed after completion of tests.
5. This Report, in full or in part, shall not be used to make any misleading claims or for any legal purposes.
6. All terms and conditions of our quotation on the basis of which this testing service has been provided are deemed to be fully accepted by the customer and are deemed to be in full force and effect.
7. This Report is exclusively for the use of the customer whose name and address is indicated above. No third party can derive rights against the company on the basis of this report. No third party has any right to raise any claims on the company.
8. For Biological and mycotoxin Analysis: Our analytical findings reflect the quality of the sample at the time of testing. No responsibility can be accepted for the possible consequences of further development of micro-organisms or mycotoxin which may depend upon storage, handling & weather conditions which may influence the results at a later date/time respectively.
9. The laboratory tests are conducted by TUV India as per mutual agreement without any implied warranty of merchantability and fitness for any general or particular use. TUV India will not be liable for any claims for indirect, incidental or consequential damages including but not limited to loss of revenue, loss of profits and similar claims. TUV India will also not be liable under any strict liability, product liability or negligence. The total liability, scientifically and legally proven, if any, of TUV India, in any case, shall not exceed the invoiced amount for the services provided and paid for.
10. For Pesticide Residue analysis, reported value at LOQ level may vary within analytical variation of 50% considering Uncertainty of Measurement.

**End of Report**

**Page 6 of 6**





Report No : TUV(I)/503/22-23/9052210353 Part B

**Test Report**

Date : 13 June 2022

**TUV INDIA PRIVATE LIMITED**

**TUV Nord Group**  
No.8, VK Commerce,  
II Floor, III Main Road,  
Opp. KSSIDC, IT Park,  
Rajajinagar, Industrial Estate,  
Bangalore - 560 010, India.  
CIN : U74140MH1989PTC052930  
Phone : 080 - 40823000  
Toll Free : 1800-209-0902  
Email : foodlabindia@tuv-nord.com  
Website : www.tuv-nord.com/in

Name and address of customer : **Tamil Nadu Newsprint and Papers Ltd - Unit II**  
(A Government of Tamil Nadu Enterprise)  
Mondipatti, K. Periyapatti Post,  
Manapparai Taluk,  
Tiruchirappalli Dist,  
Tamilnadu-621306.

Name of the sample : **Solid Bleached Sulphate Board**

Batch Code : **Batch Code: AFT,AFT-B1,AFS,ALP,ASN**

Lab sample Id No. : **9052210353**

Date of sample receipt : **12 May 2022**

Date(s) of analysis : **12 May 2022 - 13 June 2022**

Discipline : **Chemical**

Products Category : **Food Contact & Food Packaging Materials**

Objectives Of Examination : **FSSAI - Food Safety and standard (Packaging) Regulation**  
1) To test for compliance with IS-6615: 1972 (RA-2009) for Heavy Metal, PCP & PCB Content

Regulation Requirement : **To test for compliance with IS-6615: 1972 (RA-2009), Paper Board material & article intended to come in contact with Foodstuffs as per FSSAI Food Packaging Regulation.**

Sample drawn by : **Customer**

<b>Conclusion</b>	The Submitted sample <b>Conforms</b> with IS 6615: 1972 (Reaffirmed 2009) for Cadmium, Hexavalent Chromium, Lead, Mercury, Pentachlorophenol & Polychlorinated biphenyl_PCB test parameters.
-------------------	--

Refer further pages for Test Result



Report No : TUV(I)/503/22-23/9052210353 Part B

Date : 13 June 2022

Sr. No.	Name of Test	Result	LOQ	Unit	Limits as per IS 6615: 1972 (Reaffirmed 2009)	Test Method
1	Cadmium - Cd	< LOQ	0.25	mg/kg	0.5	Based on IS 6615: 1972 (Reaffirmed 2009)
2	Lead - Pb	< LOQ	0.25	mg/kg	3.0	
3	Mercury - Hg	< LOQ	0.25	mg/kg	0.3	
4	Hexavalent Chromium - Cr (VI)	< LOQ	0.05	mg/kg	0.1	
5	Pentachlorophenol Content	< LOQ	0.025	mg/kg	0.05	
6	Polychlorinated biphenyl_PCB Content	< LOQ	0.3	mg/kg	2.0	

**Name of the PCBs Compounds Analysed**

2-CHLOROBIPHENYL  
3,3',-DICHLOROBIPHENYL  
2,4,5-TRICHLOROBIPHENYL  
2,2',4,4-TETRACHLOROBIPHENYL  
2,3,4,5,6-PENTACHLOROBIPHENYL  
2,2',3,3',6,6'-HEXACHLOROBIPHENYL  
2,2',3,4,5,5',6-HEPTACHLOROBIPHENYL  
2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL  
2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL  
2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL  
Note: LOQ-Limit of Quantification



Sample image is authentic only for the original test report

Authorized by

*Raghu Ram*  
Raghu Ram

Assistant Manager - Material Testing Services

**Terms and Conditions:**

1. Test Results are based on & related only to the particular sample(s) tested.
2. This Report cannot be re-produced, except when in full, without the written permission from TUV India Pvt. Ltd.
3. This Certificate reflects our findings at the time and place of testing.
4. Sample(s) will be retained by us for a period of one month for non-perishable items only. Perishable items will be destroyed after completion of tests.
5. This Report, in full or in part, shall not be used to make any misleading claims or for any legal purposes.
6. All terms and conditions of our quotation on the basis of which this testing service has been provided are deemed to be fully accepted by the customer and are deemed to be in full force and effect.
7. This Report is exclusively for the use of the customer whose name and address is indicated above. No third party can derive rights against the company on the basis of this report. No third party has any right to raise any claims on the company.
8. For Biological and mycotoxin Analysis: Our analytical findings reflect the quality of the sample at the time of testing. No responsibility can be accepted for the possible consequences of further development of micro-organisms or mycotoxin which may depend upon storage, handling & weather's conditions which may influence the results at a later date/time respectively.
9. The laboratory tests are conducted by TUV India as per mutual agreement without any implied warranty of merchantability and fitness for any general or particular use. TUV India will not be liable for any claims for indirect, incidental or consequential damages including but not limited to loss of revenue, loss of profits and similar claims. TUV India will also not be liable under any strict liability, product liability or negligence. The total liability, ascertifically and legally proven, if any, of TUV India, in any case, shall not exceed the invoiced amount for the services provided and paid for.
10. For Pesticide Residue analysis, reported value at LOQ level may vary within analytical variation of 50% considering Uncertainty of Measurement.

-- End of Report --

Page 2 of 2





**TUV NORD**

# CERTIFICATE

**Food safety management systems as per  
ISO 22000 : 2018**

**Requirements for any organization in the food chain**

The Certification Body TUV NORD CERT GmbH hereby confirms as a result of the audit,  
assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

**TAMILNADU NEWSPRINT AND PAPERS LIMITED**  
**UNIT II : Multilayer Coated Board Manufacturing Facility**  
**Mondipatty, K.Periyapatti Post, Manaparai Taluk,**  
**Tiruchirapalli - 621 306, Tamilnadu,**  
**India**



operates a management system in accordance with the requirements of ISO 22000 : 2018 and will be assessed  
for conformity within the 3 year term of validity of the certificate.

Category -

**I: Production of Food Packaging and Packaging Material**

Scope -

**Manufacture and Supply of Multilayer Uncoated and Coated Paper Boards  
for Food Products Packaging by Pulping, Board Making, Coating and  
Conversion.**

Certificate Registration No. 44 281 21393378  
Audit Report No. 2.5-10600/2021

Valid from 15.11.2021  
Valid until 14.11.2024  
Initial certification 2021

Certification Body  
at TUV NORD CERT GmbH

Mumbai, 15.11.2021

TUV NORD CERT GmbH

Langemarktstrasse 20

45141 Essen

[www.tuv-nord-cert.com](http://www.tuv-nord-cert.com)

TUV India Pvt Ltd, B01, Raheja Plaza - 1, L B S Marg, Chhatrapati (W), Mumbai - 400 068, India

[www.tuv-nord-cert.com](http://www.tuv-nord-cert.com)



DAKKS

DAKKS  
DAKKS  
DAKKS



## KERALA STATE POLLUTION CONTROL BOARD

### INTIMATION OF OPERATION OF WHITE CATEGORY (INDUSTRIES/ESTABLISHMENTS)

**NAME AND ADDRESS OF INDUSTRY/ESTABLISHMENT : A V R PAPER PRODUCT**

KOZHIKKARA, KAPPUR.P.O, PALAKKAD, 679552

Industry Type: Compostable substitute including Paper cups with PLA coating

\* I am the occupier of above industry/establishment. I hereby intimate about the operation under Water (Prevention and Control of Pollution) Act, 1974 Air (Prevention and Control of Pollution) Act, 1981.

\* The entries in the intimation are true to the best of my knowledge, information and belief.

\* I agree to abide by the pertinent legal provisions.

\* I undertake to render access to functionaries and empowered officers of the Board to inspect the industry/establishment and its premises and peruse records thereof.

Any change in line of activity/pollution load will be effected only after a fresh intimation/

Place: PALAKKAD

Date: 16-05-2025

Name: ABDU RAHMAN. A.V.

Designation: OWNER

---

### ACKNOWLEDGED



> The intimation of operation of white category industry/establishment namely A V R PAPER PRODUCT is received in Kerala State Pollution Control Board and is numbered 10107067

> Industry Type: Compostable substitute including Paper cups with PLA coating

> As per Notification No. G.S.R. 702(E) dated 12.11.2024 & Notification No. G.S.R. 703(E) dated 12.11.2024 issued by The Ministry of Environment, Forests and Climate Change and Board Circular No. KSPCB/2082/2024-SEE-1 dated 23.02.2025 all industrial/non-industrial units/operations categorized as White by the Central Pollution Control Board or Kerala State Pollution Control Board are exempted from submission of application and remittance of fee

> Such units shall intimate the Board about their operation



## GENERAL INFORMATION

1.

	REGISTERED OFFICE/ ADMINISTRATIVE OFFICE	OCCUPIER
Postal Address	KOZHIKKARA, KAPPUR.P.O, PALAKKAD, 679552	ABDU RAHMAN. A.V. AZHAKATHU VALAPPIL HOUSE, AYILAKKAD.P.O, AYILAKKAD, EDAPPAL, MALAPPURAM, 679576
PIN	679552	679552
Telephone	6238794169	
Fax		
e-mail	abdurahimanav42@gmail.com	abdurahimanav42@gmail.com
Website		

2.

	OWNERSHIP	AREA In SQUARE METRE	ADDRESS OF LESSOR, IF ON LEASE
Built up area			
Total area			
Survey No.	156/0-33-3	Ward NO.& Name	
Village	Kappoor	Panchayat/ Municipality/ Corporation	
Taluk	Pattambi	District	PALAKKAD

3.

<b>Management</b>	<b>Individual</b>
<b>Scale</b>	<b>Small</b>
<b>Category</b>	<b>WHITE</b>

4. Date of Commissioning: 2025-05

5. Raw materials(including fuels & lubricants)and products

(A)

<b>RAW MATERIAL</b>	<b>QUANTITY PER DAY</b>	<b>UNIT</b>
<b>BIODEGRADABLE PAPER</b>	<b>200.0</b>	<b>Kilogram</b>

(B)

<b>PRODUCT</b>	<b>UNIT</b>	<b>QUANTITY PER DAY</b>
<b>BIODEGRADABLE PAPER PLATE</b>	<b>Numbers</b>	<b>8500</b>

6. Gross Fixed Capital Investment (Rs in lakhs): 6.68

(Rs. in Lakhs)

7. Power Load – Power Consumption Details:

<b>Power Load For</b>	<b>Total Power Load (In KW)</b>	<b>Power Load Available With The Industry (In KW)</b>	<b>Estimated Power Consumption For Intended Production/ Day (In Units Consumed/ Day)</b>	<b>Average Daily Power Consumption (In Units Consumed/Day)</b>
<b>Industry</b>	<b>4.4742</b>	<b>4.4742</b>	<b>3.0</b>	<b>3.0</b>