

TEST REPORT



Test Report No. GGN/H(FCM)/25/000088

Dated. 2025.01.23

Sample Image(s) (As Received)



TEST REPORT



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Dated. 2025.01.23

Applicant / Company Name : NILANCHAL EXPORTS
Address : Plot No. 5-Maitri Bungalows Near Madhuvan Party
Plot Dr Park Road Jahangirpura, Surat India.
Attention / Contact Person : Mr. Nupen Patel
Tested Sample : Received on 2025.01.10 at 6:28 P.M.
Test Period : 2025.01.11 To 2025.01.23
Article / Sample Description : Sugarcane Bagasse Pulp Based Food Packaging
Material : Sugarcane Bagasse Pulp
Product Type / End Use : Food Container
Country of Origin : India

Note:

1. The submitted sample(s) is / are Not Drawn by the Laboratory
2. Unless otherwise agreed upon, PASS or FAIL verdicts are given based on the measured values without any considerations of measurement uncertainties. Every test method has a measurement uncertainty which has been evaluated by the laboratory and are available on request. By taking measurement uncertainties into account, it might happen that measured values can neither be assessed as PASS nor as FAIL"
3. The testing conditions are followed as per the reported test standard. For additional test conditions, apart from the reported test conditions, the laboratory can be contacted for details.
4. The laboratory will retain the sample(s) for 45 days except for the mandatory retention period specified by the Regulatory Bodies and unless otherwise specified by the client.

By accepting this document, the customer hereby agrees and accepts the 'Terms & Conditions' and the relevant 'Testing & Certification Regulations' of TÜV SÜD South Asia Pvt Ltd. which are available at Company's website at the link-<https://www.tuvsud.com/en-in/terms-and-conditions>

Note: The test report is electronically generated. Hence original signature is not required.

Note: (1) The results relate only to the items tested, (2) The test report shall not be reproduced except in full without the written approval of the laboratory (3) Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4. (4) The correctness of the information related to sample(s) in the Test Request Form/Customer letterhead/Email is the customer's responsibility. The laboratory reports the said information in the test report and is not liable for the same, (5) The testing conditions are followed as per the reported test standard. For additional test conditions apart from the reported test conditions laboratory can be contacted for details

Laboratory:
TÜV SÜD South Asia Pvt. Ltd.
373 Udyog Vihar Phase II
Sector 20
Gurgaon - 122016

Phone : +91 (124) 6199699
Email :
Anuradha.Dhamija@tuvsud.com
www.tuvsud.com

Registered Office:
TÜV SÜD South Asia Pvt. Ltd.
TÜV SÜD House
Off Saki Vihar Road
Saki Naka, Andheri (East),
Mumbai - 400072. India

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Remarks:

1. Sample(s) is / are tested as on-received basis.
2. Test(s) performed as requested by applicant.
3. Conclusion(s) of the test(s) was drawn as per compliance requirement(s) specified by applicant.
4. Test "Per- and polyfluoroalkyl substances (PFASs)" were subcontracted to TÜV SÜD South Asia Pvt. Ltd., Ranipet, India.

Authorized By

Robin Kumar Tyagi
(Authorised Signatory)

Please Contact:

For any technical issues: Anuradha Dhamija at : Anuradha.Dhamija@tuvsud.com

For any complaint: Ashima Sapra at: Ashima.Sapra@tuvsud.com

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Summary of Test Result(s)

S. No.	Test(s)	Conclusion (#)
1.	Per- and polyfluoroalkyl substances (PFASs)	Pass
(#) For details regarding specification(s) / regulation(s) based on which compliance is decided, refer test details.		

Material list / List of material(s) (As confirmed by applicant)

Component No.	Component description	Material	Color
A	Sugarcane Bagasse Pulp Based Food Packaging Container	Sugarcane Bagasse Pulp	White

Sampling plan (As requested by applicant)

S. No.	Test	Component No.
1.	Per- and polyfluoroalkyl substances (PFASs)	A

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Test Result(s):

Per- and polyfluoroalkyl substances (PFASs)		
Test Specification(s): As per applicants specification; Test Method(s): EN 14582:2016 or ASTM D7359:2018 Equipment used: LC-MS/MS		
Substances	Cas No.	Test Results (s)(ppb) Component No. A
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	ND
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ND
Perfluorooctanoic acid (PFOA)	335-67-1	ND
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	ND
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA)	17741-60-5	ND
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ND
2-Perfluorooctylethanol (8:2 FTOH)	678-39-7	ND
Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3	ND
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	ND
Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)	29081-56-9	ND
Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)	70225-14-8	ND
N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	ND
N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA) 2-	31506-32-8	ND
(N-Ethylperfluoro-1-octanesulfonamido)- ethanol (N-Et-FOSE)	1691-99-2	ND
(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	ND
Perfluoro-1-octanesulfonyl fluoride (POSF)	307-35-7	ND
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	ND
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	ND
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	ND
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	ND
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	ND
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ND
2H,2H-Perfluorodecanoic acid (H ₂ PFDA)	27854-31-5	ND
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	ND
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	27619-97-2	ND
Perfluorocylethanol 8:2 (8:2 FTOH)	678-39-7	ND
Perfluorohexane Sulfonic acid, potassium salt (PFHxS-K)	3871-99-6	ND
Perfluorohexane Sulfonic acid, lithium salt (PFHxS-Li)	55120-77-9	ND
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Per- and polyfluoroalkyl substances (PFASs)		
Test Specification(s): As per applicants specification; Test Method(s): EN 14582:2016 or ASTM D7359:2018 Equipment used: LC-MS/MS		
Substances	Cas No.	Test Results (s)(ppb) Component No. A
Perfluorohexane Sulfonic acid, ammonium salt (PFHxS-NH ₄)	68259-08-5	ND
Perfluorohexane Sulfonic acid, sodium salt (PFHxS-Na)	82382-12-5	ND
N-Methylperfluoro-1-hexanesulfonamide (N-Me-FHxSA)	68259-15-4	ND
Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	ND
Perfluorononanoic Acid (PFNA, C ₉ -PFCA)	375-95-1	ND
Perfluorodecanoic Acid (PFDA, C ₁₀ -PFCA)	335-76-2	ND
Perfluoroundecanoic Acid (PFUnA, C ₁₁ -PFCA)	2058-94-8	ND
Perfluorododecanoic Acid (PFDoA, C ₁₂ -PFCA)	307-55-1	ND
Perfluorotridecanoic Acid (PFTrDA, C ₁₃ -PFCA)	72629-94-8	ND
Perfluorotetradecanoic Acid (PFTeDA, C ₁₄ -PFCA)	376-06-7	ND
Perfluoro-3-7-dimethyloctanecarboxylate (PF-3,7-DMOA)	172155-07-6	ND
1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	ND
2H,2H,3H,3H-Perfluoroundecanoic acid (H ₄ PFUnA)	34598-33-9	ND
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	ND
1H,1H,2H,2H-Perfluorododecanesulphonic acid (10:2 FTS)	120226-60-0	ND
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	ND
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	ND
Perfluorohexanoic Acid (PFHxA, C ₆ -PFCA)	307-24-4	ND
Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3	ND
Didecyldimethyl ammonium perfluorooctane sulfonate (PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8	ND
Conclusion		Pass
Limit of Quantification: 1µg/m ² (PFOS), Others: 10 ppb		
Limit max. (ppb):		
PFOA<25ppb, PFOA related substance- <1000ppb		
Coated materials- 0.1% By Weight		

Abbreviations

"mg/kg" denotes milligram per kilogram & is equivalent to ppm (parts per million); "ND" denotes Not Detected or below limit of quantification.

--- END OF THE TEST REPORT ---