

**SUMMARY**

Test Report Number	R-0097906
TRF Submit Date	23-Jan-2025 14:12:51
Overall Test Results	Pass
Non-Compliances	

SUPPLIER INFORMATION

Supplier Name	PRIME LEATHER FINISHES CO
Supplier Location	PRIME LEATHER FINISHES CO (USA)

GENERAL INFORMATION

Brand Tested For	Nike
Product Type	Footwear
Licensee	Not Added
Season	SUMMER
Year	2025

MATERIAL INFORMATION

Material Name	Defender Ultra Shield 1.0
Material Number	R0000045627
PDM Number	Not Added
Material ID	41-0303N
Sample Type	Chemical Formulation (Adhesive, Dye, Ink, etc.)
Color Name	Not Added
Color Code	Not Added
Color Way	Not Added
Age Group	Unknown (test for all ages)
Sample Color	Transparent



MATERIAL INFORMATION			
Sample Description	Clear liquid durable water repellent with nanoparticle.		
Certificate	OEKO-TEX	Number	23.0.60790
Does this material have repellent finish?	Yes		
Is the material intended to come into contact with food or mouth?	No		
Does this material sample contain recycled content?	No		
List the samples recycled material source			
Describe the recycled content in the material sample			
Material Types	Adhesives		
Default Test	TP1, IND		
Testing Type	PROD		
Test Packages	TP1	TP2	Individual
			Alkylphenol Ethoxylates (NPEO, OPEO)
			Formaldehyde
			Heavy Metals (Total)
			Organotin Compounds
			Perfluorinated and Polyfluorinated Chemicals (PFAS, PFOA, PFOS)
			Phthalates
			Total Organic Fluorine
			Volatile Organic Compounds (VOCs)

LABORATORY INFORMATION			
Lab	CTI	Test Report Date	17-Feb-2025 00:45:54
Location	Shenzhen - China		
Lab Reference Number	A2250069391101		

SAMPLE SUBMITTER INFORMATION	
Name	JoAnne Gerhartz
E-mail	joanne@tlh-usa.com



TEST RESULTS BY CLASS			
Test Class	TP1	TP2	Individual
			Alkylphenol Ethoxylates (NPEO, OPEO) - Pass
			Formaldehyde - Pass
			Heavy Metals (Total) - Pass
			Organotin Compounds - Pass
			Perfluorinated and Polyfluorinated Chemicals (PFAS, PFOA, PFOS) - Pass
			Phthalates - Pass
			Total Organic Fluorine - Pass
			Volatile Organic Compounds (VOCs) - Pass



TEST RESULTS BY CHEMICAL					
Chemical Name	CAS No	Lab Limit	Nike Limit	Result/UOM	Pass/Fail
TOTAL ORGANIC FLUORINE					
All PFAS	various	50	100	Not Detected	Pass
PERFLUORINATED AND POLYFLUORINATED CHEMICALS (PFAS, PFOA, PFOS)					
PERFLUOROOCANE SULFONATE (PFOS) & RELATED SUBSTANCES					
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	1	1	Not Detected	Pass
Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3	1	1	Not Detected	Pass
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	1	1	Not Detected	Pass
Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)	29081-56-9	1	1	Not Detected	Pass
Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)	70225-14-8	1	1	Not Detected	Pass
Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3	1	1	Not Detected	Pass
Didecylmethyl ammonium perfluorooctane sulfonate (PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8	1	1	Not Detected	Pass
N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	1	1	Not Detected	Pass
N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	1	1	Not Detected	Pass
2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	1	1	Not Detected	Pass
2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	1	1	Not Detected	Pass
Perfluoro-1-octanesulfonyl fluoride (POSF)	307-35-7	1	1	Not Detected	Pass
Perfluorooctane sulfonamide (PFOSA)	754-91-6	1	1	Not Detected	Pass
PERFLUOROOCANOIC ACID (PFOA) AND ITS SALTS					
Perfluorooctanoic acid (PFOA)	335-67-1	25	25	Not Detected	Pass
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	25	25	Not Detected	Pass
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	25	25	Not Detected	Pass
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	25	25	Not Detected	Pass
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	25	25	Not Detected	Pass
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	25	25	Not Detected	Pass
PFOA-RELATED SUBSTANCES					
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	1000	1000	Not Detected	Pass
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	1000	1000	Not Detected	Pass
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	1000	1000	Not Detected	Pass
2-Perfluorooctylethanol (8:2 FTOH)	678-39-7	1000	1000	Not Detected	Pass
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	1000	1000	Not Detected	Pass
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	1000	1000	Not Detected	Pass



TEST RESULTS BY CHEMICAL					
Chemical Name	CAS No	Lab Limit	Nike Limit	Result/UOM	Pass/Fail
2H,2H-Perfluorodecanoic acid (H2PFDA)	27854-31-5	1000	1000	Not Detected	Pass
PFHxA, ITS SALTS AND RELATED SUBSTANCES					
Perfluorohexanoic Acid (PFHxA, C6-PFCA)	307-24-4	25	25	Not Detected	Pass
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2 FTS)	27619-97-2	1000	1000	Not Detected	Pass
1H,1H,2H,2H-Perfluorooctanol (6:2 FTOH)	647-42-7	1000	1000	Not Detected	Pass
PERFLUOROHEXANE-1-SULPHONIC ACID (PFHxS) AND ITS SALTS					
Perfluorohexane Sulfonic acid (PFHxS)	355-46-4	25	25	Not Detected	Pass
Perfluorohexane Sulfonic acid, potassium salt (PFHxS-K)	3871-99-6	25	25	Not Detected	Pass
Perfluorohexane Sulfonic acid, lithium salt (PFHxS-Li)	55120-77-9	25	25	Not Detected	Pass
Perfluorohexane Sulfonic acid, ammonium salt (PFHxS-NH4)	68259-08-5	25	25	Not Detected	Pass
Perfluorohexane Sulfonic acid, sodium salt (PFHxS-Na)	82382-12-5	25	25	Not Detected	Pass
PFHxS-RELATED SUBSTANCES					
N-Methylperfluoro-1-hexanesulfonamide (N-Me-FHxSA)	68259-15-4	1000	1000	Not Detected	Pass
Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	1000	1000	Not Detected	Pass
C9-C14 PERFLUOROCARBOXYLIC ACIDS (PFCAS) AND THEIR SALTS					
Perfluorononanoic Acid (PFNA, C9-PFCA)	375-95-1	25	25	Not Detected	Pass
Perfluorodecanoic Acid (PFDA, C10-PFCA)	335-76-2	25	25	Not Detected	Pass
Perfluoroundecanoic Acid (PFUnA, C11-PFCA)	2058-94-8	25	25	Not Detected	Pass
Perfluorododecanoic Acid (PFDoA, C12-PFCA)	307-55-1	25	25	Not Detected	Pass
Perfluorotridecanoic Acid (PFTrDA, C13-PFCA)	72629-94-8	25	25	Not Detected	Pass
Perfluorotetradecanoic Acid (PFTeDA, C14-PFCA)	376-06-7	25	25	Not Detected	Pass
Perfluoro-3-7-dimethyloctanecarboxylate (PF-3,7-DMOA)	172155-07-6	25	25	Not Detected	Pass
C9-C14 PFCA-RELATED SUBSTANCES					
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA)	17741-60-5	260	260	Not Detected	Pass
1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	260	260	Not Detected	Pass
1H,1H,2H,2H-Perfluorododecanol (10:2 FTOH)	865-86-1	260	260	Not Detected	Pass
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	260	260	Not Detected	Pass
Perfluorocyclohexanol 8:2 (8:2 FTOH)	678-39-7	260	260	Not Detected	Pass
1H,1H,2H,2H-Perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	260	260	Not Detected	Pass
1H,1H,2H,2H-Perfluorododecanesulphonic acid (10:2 FTS)	120226-60-0	260	260	Not Detected	Pass
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	260	260	Not Detected	Pass



TEST RESULTS BY CHEMICAL					
Chemical Name	CAS No	Lab Limit	Nike Limit	Result/UOM	Pass/Fail
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	260	260	Not Detected	Pass
ALKYLPHENOL ETHOXYLATES (NPEO, OPEO)					
Nonylphenol Ethoxylate (NPEOs)	various	20	20	Not Detected	Pass
Octylphenol Ethoxylate (OPEOs)	various	20	20	Not Detected	Pass
FORMALDEHYDE					
Formaldehyde	50-00-0	16	16 (kids), 75 (adults)	Not Detected	Pass
HEAVY METALS (TOTAL)					
Arsenic (As)	7440-38-2	10	100	Not Detected	Pass
Cadmium (Cd)	7440-43-9	5	40	Not Detected	Pass
Lead (Pb)	7439-92-1	10	90	Not Detected	Pass
Mercury (Hg)	7439-97-6	0.1	0.5	Not Detected	Pass
ORGANOTIN COMPOUNDS					
Dibutyltin (DBT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Dimethyltin (DMT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Diocetyl tin (DOT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Diphenyltin (DPHT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Dipropyltin (DPT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Monobutyltin (MBT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Monomethyltin (MMT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Monooctyltin (MOT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Monophenyltin (MPHT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Tetrabutyltin (TeBT)	1461-25-2	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Tetraethyltin (TeET)	597-64-8	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Tetraoctyltin (TeOT)	3590-84-9	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Tributyltin (TBT)	Various	0.1	0.5	Not Detected	Pass
Tricyclohexyltin (TCyHT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Trimethyltin (TMT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Triocetyl tin (TOT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
Triphenyltin (TPHT)	Various	0.1	0.5	Not Detected	Pass
Tripropyltin (TPT)	Various	0.1	1 (kids), 20 (adults)	Not Detected	Pass
PHTHALATES					



TEST RESULTS BY CHEMICAL					
Chemical Name	CAS No	Lab Limit	Nike Limit	Result/UOM	Pass/Fail
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with e 0.3% of dihexyl phthalate; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl ester	68515-51-5; 68648-93-1	50	500	Not Detected	Pass
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	50	500	Not Detected	Pass
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	50	500	Not Detected	Pass
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	50	500	Not Detected	Pass
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	50	500	Not Detected	Pass
Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	50	500	Not Detected	Pass
Bis(2-methoxyethyl) phthalate	117-82-8	50	500	Not Detected	Pass
Butylbenzylphthalate (BBP)	85-68-7	50	500	Not Detected	Pass
Dibutylphthalate (DBP)	84-74-2	50	500	Not Detected	Pass
Dicyclohexyl phthalate (DCHP)	84-61-7	50	500	Not Detected	Pass
Di(2-ethylhexyl)-phthalate (DEHP)	117-81-7	50	500	Not Detected	Pass
Diethylphthalate (DEP)	84-66-2	50	500	Not Detected	Pass
Diisobutylphthalate (DIBP)	84-69-5	50	500	Not Detected	Pass
Diisodecylphthalate (DIDP)	26761-40-0	50	500	Not Detected	Pass
Diisohexyl phthalate (DIHxP)	71850-09-4	50	500	Not Detected	Pass
Di-Iso-nonylphthalate (DINP)	28553-12-0	50	500	Not Detected	Pass
Diisooctyl phthalate (DIOP)	27554-26-3	50	500	Not Detected	Pass
Diisopentylphthalate (DIPP)	605-50-5	50	500	Not Detected	Pass
Dimethylphthalate (DMP)	131-11-3	50	500	Not Detected	Pass
Di-n-hexylphthalate (DnHP)	84-75-3	50	500	Not Detected	Pass
Di-n-octylphthalate (DNOP)	117-84-0	50	500	Not Detected	Pass
Di-n-pentyl phthalate (DPENP)	131-18-0	50	500	Not Detected	Pass
Dipropyl phthalate (DPRP)	131-16-8	50	500	Not Detected	Pass
n-Pentyl-isopentylphthalate (nPIPP)	776297-69-9	50	500	Not Detected	Pass
VOLATILE ORGANIC COMPOUNDS (VOCS)					
Benzene	71-43-2	5	5	Not Detected	Pass
Carbon Disulfide	75-15-0	20	1000 (Group Sum)	Not Detected	Pass
Carbon tetrachloride	56-23-5	20	1000 (Group Sum)	Not Detected	Pass
Chloroform	67-66-3	20	1000 (Group Sum)	Not Detected	Pass



TEST RESULTS BY CHEMICAL					
Chemical Name	CAS No	Lab Limit	Nike Limit	Result/UOM	Pass/Fail
Cyclohexanone	108-94-1	20	1000 (Group Sum)	Not Detected	Pass
1,2-Dichloroethane	107-06-2	20	1000 (Group Sum)	Not Detected	Pass
1,1-Dichloroethylene	75-35-4	20	1000 (Group Sum)	Not Detected	Pass
Ethylbenzene	100-41-4	20	1000 (Group Sum)	Not Detected	Pass
m-xylene	108-38-3	20	1000 (Group Sum)	Not Detected	Pass
o-xylene	95-47-6	20	1000 (Group Sum)	Not Detected	Pass
Pentachloroethane	76-01-7	20	1000 (Group Sum)	Not Detected	Pass
p-xylene	106-42-3	20	1000 (Group Sum)	Not Detected	Pass
1,1,1,2-Tetrachloroethane	630-20-6	20	1000 (Group Sum)	Not Detected	Pass
1,1,2,2-Tetrachloroethane	79-34-5	20	1000 (Group Sum)	Not Detected	Pass
Tetrachloroethylene (PER)	127-18-4	20	1000 (Group Sum)	Not Detected	Pass
Toluene	108-88-3	20	1000 (Group Sum)	Not Detected	Pass
1,1,1-Trichloroethane	71-55-6	20	1000 (Group Sum)	Not Detected	Pass
1,1,2-Trichloroethane	79-00-5	20	1000 (Group Sum)	Not Detected	Pass
Trichloroethylene	79-01-6	20	1000 (Group Sum)	Not Detected	Pass
Xylenes, mixed isomers	1330-20-7	20	1000 (Group Sum)	Not Detected	Pass

**RSL VERSION**

This test was conducted according to the 2024 Nike RSL : <https://rsltesting.nike.com>

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End of Report

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