



# TEST REPORT

Report No: C90471882  
Date: Jun 1, 2018

**Client:**  
DELIGHTS & GLOBAL CO., LTD  
151, Hyeonchung-ro, Dongjak-gu, Seoul, South Korea

Attn: Terry Nam

**Sample Description:**  
UL ECV PFCs Free Claims #4788319398 with MRD DWR treated Products

Manufacturer: Onechang Materials  
Factory Location: South Korea  
Market: USA, Europe, Japan, China, Russia  
Country of Origin: South Korea  
PO No.: DG-2018-ULT-F001  
Item number: MRD OC-FDX-360C  
Buyer Name: DELIGHTS & GLOBAL CO., LTD  
Quotation No.: PSQ2018276  
Tested Age Grade: All Ages  
Other Information: MRD Patent Tech applied Nylon 100% 20 d, Breathable Microporous coating

Date(s) of samples received: May 18, 2018

**TEST METHOD & RESULTS: Please refer to next page(s)**

**Conclusion:**

Perfluorooctane Sulfonates (PFOS), Perfluorooctanoic Acid (PFOA) & Perfluorochemicals (PFCs): With Reference to ZDHC Manufacturing Restricted Substances List	Pass
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**REMARK: THE RESULTS RELATE ONLY TO THE SAMPLES TESTED.**

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SZ-FAF-001 (2017-10-12)



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For and on behalf of  
UL VS Shanghai Limited Shenzhen Branch

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Seaman Zhang - Chemical Manager  
(Product Integrity and Quality)

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## TEST RESULTS

### 1. Chemical Tests

Key to Sample(s):

002 = Dark blue fabric

### 1.1 Perfluorooctane Sulfonates (PFOS), Perfluorooctanoic Acid (PFOA) & Perfluorochemicals (PFCs): With Reference to ZDHC Manufacturing Restricted Substances List

Test method: Organic Solvent Extraction Followed by GC-MS & LC-MS-MS Analysis

Results:

Organotin Compounds	Limit ( $\mu\text{g}/\text{m}^2$ )	002 ( $\mu\text{g}/\text{m}^2$ )
Perfluorooctane sulphonic acid(PFOS)	1	ND
Perfluorooctane sulphonamide(PFOSA)	1	ND
N-Methylheptadecafluorooctane sulphonamide(N-Me-FOSA)	1	ND
N-Ethylheptadecafluorooctane sulphonamide(N-Et-FOSA)	1	ND
N-Methylheptadecafluorooctane sulphonamidoethanol(N-Me-FOSE alcohol)	1	ND
N-Ethylheptadecafluorooctane sulphonamidoethanol(N-Et-FOSE alcohol)	1	ND
Perfluorobutane sulfonate(PFBS)	1	ND
Perfluorohexane sulfonate(PFHxS)	1	ND
Perfluorohexanoic acid(PFHxA)	1	ND
Perfluorooctanoic acid(PFOA)	1	ND
Perfluorononanoic acid(PFNA)	1	ND
Perfluorodecanoic acid(PFDA)	1	ND
8+2 Fluorotelomer alcohol(8:2 FTOH)	1	ND

**Conclusion: Pass**

“ND” means “Not Detected”

Date(s) of test(s) conducted: May 18, 2018 to May 29, 2018

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