

**Report No.:** 168427885a 003 Page 1 of 12

**Client:** NUWAVE LLC

**Contact Information:** 560 Bunker Court, Vernon Hills, IL 60061, U.S.A.

**Test item(s):** 1 material

**Identification/  
Model No(s):** NUWAVE Duralon Blue Ceramic Non-Stick Cookware Set  
31425, 31426, 31427, 31428, 31429, 31305, 31306, 31307, 31308,  
31309, 31405, 31406, 31407, 31408, 31409, 31415, 31416, 31417,  
31418, 31419, 31410, 31411, 31412, 31610, 31612, 31439

**Sample obtaining method:** Sending by customer

**Condition at delivery:** Test item complete and undamaged.

**Sample Receiving date:** 2023-05-19

**Testing Period:** 2023-05-19 to 2023-05-24

**Place of testing:** Chemical laboratory Shenzhen

**Test Specification:**

**Test result:**

As specified by client, to determine the following item(s) in the sample with reference to Toxics in Packaging Clearinghouse Model Legislation(TPCH)2021 Update:

- |   |      |
|---|------|
| 1. Perfluoroalkyl and polyfluoroalkyl substances (PFAS) content | PASS |
|---|------|

**Other information:**

Exported to: USA and worldwide  
31425-Cool Grey, 31426-Vanilla Cream, 31427-Cozy Blue,  
31428-Rosemary Green, 31429-Rustic Copper  
The report 168427885a 003 supersedes report 168427885a 002.  
According to customer's requirement, only the appointed materials have been tested.  
According to the customer's requirement, new item no. and photos of 31305, 31306, 31307, 31308,  
31309, 31405, 31406, 31407, 31408, 31409, 31415, 31416, 31417, 31418, 31419, 31410, 31411,  
31412, 31610, 31612, 31439 have been added.

For and on behalf of  
TÜV Rheinland (Shenzhen) Co., Ltd.

2023-10-25

  
Liz Y. Y. Yu / Assistant Project Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.  
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.  
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

<b>Test Report No.: 168427885a 003</b>	Page 2 of 12
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**Material List:**

Item: NUWAVE Duralon Blue Ceramic Non-Stick Cookware Set  
31425, 31426, 31427, 31428, 31429, 31305, 31306, 31307, 31308, 31309, 31405, 31406,  
31407, 31408, 31409, 31415, 31416, 31417, 31418, 31419, 31410, 31411, 31412, 31610,  
31612, 31439

Material No.	Material	Color	Location
M001	Coating	Dark Blue	Refer to photo

**Test Report No.: 168427885a 003**
**1. Perfluoroalkyl and polyfluoroalkyl substances (PFAS) content<sup>(#)</sup>**

Test Method: Test Method/Equipment: CEN/TS 15968:2010(E) & HCT/SZ-SOP-YJ-PI035; LC-MS/MS, GC-MS

**Test Results:**

No.	Test Item(s)	CAS No.	Result [mg/kg]
			Sample 001
1	Perfluorobutyric acid (PFBA)	375-22-4	N.D.
2	Perfluoropentane Acid (PFPA)	2706-90-3	N.D.
3	Perfluorohexane acid (PFHxA)	307-24-4	N.D.
4	7H-Dodecanefluoroheptane Acid(HPFHpA)	1546-95-8	N.D.
5	Perfluorobutane Sulfonate (PFBS)	375-73-5	N.D.
6	Perfluorobutanesulfonate K-salt (PFBS-K)	29420-49-3	N.D.
7	Perfluoroheptane Acid (PFHpA)	375-85-9	N.D.
8	1H: 1H 2H 2H-Perfluorooctanesulphonic acid (H4PFOS 6:2)	27619-97-2	N.D.
9	Perfluorooctanoic acid (PFOA)	335-67-1	N.D.
10	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	N.D.
11	Sodium perfluorooctanoate (PFOA-Na)	335-95-5	N.D.
12	Potassium perfluorooctanoate (PFOA-K)	2395-00-8	N.D.
13	Silver perfluorooctanote (PFOA-Ag)	335-93-3	N.D.
14	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	N.D.
15	Tetrabutyl phosphonium 2H,2H-Perfluorodecanoate	882489-14-7	N.D.
16	Perfluorohexane Sulfonate (PFHxS)	355-46-4	N.D.
17	Perfluorohexanesulfonate Na-salt(PFHxS-Na)	82382-12-5	N.D.
18	Perfluorohexanesulfonate K-salt (PFHxS-K)	3871-99-6	N.D.
19	Perfluorononane Acid (PFNA)	375-95-1	N.D.
20	Perfluorononanoate Na-Salt (PFNA-Na)	21049-39-8	N.D.
21	Perfluorononanoate ammounium salt (APFN)	4149-60-4	N.D.
22	Perfluoro-3, 7-dimethyloctanoic Acid (PF_3, 7-DMOA)	172155-07-6	N.D.
23	Perfluoroheptane Sulfonate (PFHpS)	375-92-8	N.D.
24	Perfluoroheptanesulfonate Na-salt(PFHpS-Na)	68555-66-8	N.D.

**Test Report No.: 168427885a 003**

25	Perfluorodecane Acid (PFDA)	335-76-2	N.D.
26	Perfluorodecanoate Na-salt (PFDA-Na)	3830-45-3	N.D.
27	Perfluorodecanoate ammonium salt (APF DA)	3108-42-7	N.D.
28	2H' 2H' 3H' 3H-Perfluoroundecanoic acid (4HPFUnA)	34598-33-9	N.D.
29	Perfluorooctane sulfonates (PFOS)	1763-23-1	N.D.
30	Perfluorooctane Sulfonamide (PFOSA)	754-91-6	N.D.
31	N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	N.D.
32	N-ethylperfluoro-1-octanesulfonamide (Et FOSA)	4151-50-2	N.D.
33	2-(N-methylperfluoro-1-octanesulfonamid o) - ethanol (MeFOSE)	24448-09_7	N.D.
34	2-(N-ethylperfluoro-1-octanesulfonamido) - ethanol (EtFOSE)	1691-99-2	N.D.
35	Perfluorooctane Sulfonyl fluoride (POSF)	307-35-7	N.D.
36	Potassium Perfluorooctanesulfonate(PFOS-K)	2795-39-3	N.D.
37	Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH <sub>4</sub> )	29081-56-9	N.D.
38	heptadecafluorooctane-1-sulfonate (PFOS-DDA)	251099-16-8	N.D.
39	Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) <sub>2</sub> )	70225-14-8	N.D.
40	Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	N.D.
41	Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )	56773-42-3	N.D.
42	Perfluoroundecanoic Acid (PFUdA)	2058-94-8	N.D.
43	Perfluorododecanoic Acid (PFDoA)	307-55-1	N.D.
44	Perfluorodecane Sulfonate (PFDS)	335-77-3 /126105-34-8	N.D.
45	Perfluorodecanesulfonate Na-salt (PFDS-Na)	2806-15-7	N.D.
46	Perfluorodecanesulfonate K-salt (PFDS-K)	2806-16-8	N.D.
47	Perfluoroaliphatic Dean-sulfonate salt of NH <sub>4</sub> (PFDS-NH <sub>4</sub> )	67906-42-7	N.D.
48	Perfluorotridecanoic Acid (PFTrA)	72629-94-8	N.D.
49	Perfluorotetradecanoic Acid (PFTeA)	376-06-7	N.D.
50	1H' 1H' 2H' 2H-Perfluoro-1-decanol (8:2 FTS)	39108-34-4	N.D.
51	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	N.D.
52	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	N.D.
53	1H' 1H' 2H' 2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	N.D.

**Test Report No.: 168427885a 003**

54	1H' 1H' 2H' 2H-Perfluorodecyl acrylate (8:2 ETA)	27905-45-9	N.D.
55	1H' 1H' 2H' 2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	N.D.
56	Perfluoro-1-iodooctane (PFOI)	507-63-1	N.D.
57	1H ,1H ,2H ,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	N.D.
58	1H' 1H' 2H' 2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	N.D.
59	1H ,1H ,2H ,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	N.D.
60	Perfluoro dodecyl acrylate (10:2 FTA)	17741-60-5	N.D.
61	1H' 1H' 2H' 2H-Perfluoro -1-dodecanol (10:2 FTOH)	865-86-1	N.D.
62	1H ,1H ,2H ,2H-Perfluorodecyltriethoxysila Ne (PFS I)	101947-16-4	N.D.
63	1-Iodine-1H,1H,2H,2H-perfluorodecane (8:2 FIT)	2043-53-0	N.D.
64	Bis (2-(perfluoroethyl)) phosphoric acid (8:2diPAP)	678-41-1	N.D.
65	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy) propionic acid and its salts and acyl halides (HFPO-DA)	62037-80-3 /13252-13-6/ 67118-55-2 /2062-98-8	N.D.
66	Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	N.D.
67	Ammonium Undecafluorohexanoate (PFHxA-NH4)	21615-47-4	N.D.
68	2H,2H-perfluorodecanoic acid	27854-31-5	N.D.
69	Nonafluorobutane sulfonic acid hydrate	59933-66-3	N.D.
70	Potassium perfluoroheptane sulfonate (PFHpS-K)	60270-55-5	N.D.
71	2-Methyl-2-acrylic acid-3,3,4,4,5,5,6,6,7,7,8,8,8- Tridecafluorooctyl ester (6:2 FTMAC)	2144-53-8	N.D.
72	N-(Heptadecafluorooctylsulfonyl)-N-methylglycine (N-MeFOSAA)	2355-31-9	N.D.
73	N-ethyl-N-((heptadecafluorooctyl) sulfonyl)glycine (N-EtFOSAA)	2991-50-6	N.D.
74	Perfluorooctane Sulfonate (PFOS-Na)	4021-47-0	N.D.
75	Decanoic acid, 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 10 10 10- octadecafluoro-9-(trifluoromethyl)-, ammonium salt	3658-63-7	N.D.
76	Dodecanoyl fluoride, 2' 2' 3' 3' 4' 4' 5' 5' 6' 6' 7' 7' 8' 8' 9' 9' 10' 10' 11' 1 2,12,12- docosafluoro-11-(trifluoromethyl)-	15811-52-6	N.D.
77	N, N, N, - triethylethylamine 1,1 ,2,2,3,3,4,4-monofluorobutane-1-sulfo nate	25628-08-4	N.D.
78	Perfluorobutylsulfonyl fluoride	375-72-4	N.D.

**Test Report No.: 168427885a 003**

79	Ammonium perfluorohexanesulfonate (PFHxS-NH <sub>4</sub> )	68259-08-5	N.D.
80	Lithium perfluorohexanesulfonate	55120-77-9	N.D.
81	1-Hexaalkane sulfonic acid, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6 - trifluoro -, zinc salt (PFHxS-Zn)	70136-72-0	N.D.
82	Tetradecanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafuoro-13-(trifluoromethyl)-	68025-62-7	N.D.
83	Magnesium bis (perfluorooctane-1-sulfonic acid)	91036-71-4	N.D.
84	Tetradecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafuoro-13-(trifluoromet hyl)-	18024-09-4	N.D.
85	Ammonium perfluorodecanoate	3793-74-6	N.D.
86	1,1,2,2,3,3,4,4-tetrafluoro-N (2-hydroxyethyl)-N-methyl-1-butylsulfonamide	34454-97-2	N.D.
87	Perfluorooctanoic acid (PFODA)	16517-11-6	N.D.
88	N-(perfluoro-1-octylsulfonyl) glycine	2806-24-8	N.D.
89	Sodium perfluorinated nonane sulfonate	98789-57-2	N.D.
90	1H' 1H' 2H, 2H perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	N.D.
91	Pentane acid, non fluorocarbon (PFPeDA)	141074-63-7	N.D.
92	1H' 1H' 2H, 2H methylperfluoroacrylate dodecyl ester (10:2 FTMA)	2144-54-9	N.D.
93	Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-docosafuoro-11-(trifluoromethyl)-	16486-96-7	N.D.
94	Sodium perfluorooctanesulfonate	2483735-37-9	N.D.
95	Sodium perfluorooctanesulfonate	630402-22-1	N.D.
96	Potassium perfluoro caproate	3109-94-2	N.D.
97	Sodium perfluoro caproate	2923-26-4	N.D.
98	1H' 1H' 2H, 2H-perfluorodecyltrichlorosilane	78560-44-8	N.D.
99	1H' 1H' 2H, 2H-Perfluorodecyltrimethoxysilane	83048-65-1	N.D.
100	1H' 1H' 2H, 2H-Perfluorooctyl trichlorosilane	78560-45-9	N.D.
101	Perfluorobutyl sulfonyl chloride	2991-84-6	N.D.
102	Perfluorobutyl sulfonamide	30334-69-1	N.D.
103	Lithium perfluorobutylsulfonate	131651-65-5	N.D.
104	Potassium perfluoroanonanoate	21049-38-7	N.D.

**Test Report No.: 168427885a 003**

Page 7 of 12

105	Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,12,12,13,13,14,14-nonacosafuoro-14-iodo-	307-63-1	N.D.
106	Potassium eicosfluoroundecanoate, 2,2,3,3,4,4,5,5,6,6,7,7,8,9,9,10,11,11	307-71-1	N.D.

## Note:

- mg/kg denotes milligram per kilogram
- N.D. denotes Not Detected (Below Reporting limit)
- MDL: 0.025 mg/kg
- "\*" denotes the data was converted based on results of related compounds
- The specifications were quoted from Various United States Laws:  
Perfluoroalkyl or polyfluoroalkyl substances (PFAS): Not detected

"#" indicates that the test is sub-contracted to a laboratory which complies with the requirement of ISO/IEC 17025:2017.

Sample Photos



Product



31427-Cozy Blue



31425-Cool Grey (provided by client)



31426-Vanilla Cream (provided by client)



31428-Rosemary Green (provided by client)



Sample Photos



31429-Rustic Copper (provided by client)



31305-3PC COOL GRAY FRY PAN SET (provided by client)



31306-3PC VANILLA CREAM FRY PAN SET (provided by client)



31307-3PC COZY BLUE FRY PAN SET (provided by client)



31308-3PC ROSEMARY GREEN FRY PAN SET (provided by client)



31309-3PC RUSTIC COPPER FRY PAN SET (provided by client)

Sample Photos



31309-1-3PC RUSTIC COPPER FRY PAN SET (provided by client)



31405-7PC COOL GRAY COOKWARE SET (provided by client)



31406-7PC VANILLA CREAM COOKWARE SET (provided by client)



31407-7PC COZY BLUE COOKWARE SET (provided by client)



31408-7PC ROSEMARY GREEN COOKWARE SET (provided by client)



31409-7PC RUSTIC COPPER COOKWARE SET (provided by client)

Sample Photos



31410-12PC CLAY/TAUPE COOKWARE SET (provided by client)



31411-12PC DEEP BLUE COOKWARE SET (provided by client)



31412-12PC DUSTY PINK COOKWARE SET (provided by client)



31415-9PC COOL GRAY COOKWARE SET (provided by client)



31416-9PC VANILLA CREAM COOKWARE SET (provided by client)



31417-9PC COZY BLUE COOKWARE SET (provided by client)

Sample Photos



31418-9PC ROSEMARY GREEN COOKWARE SET (provided by client)



31419-9PC RUSTIC COPPER COOKWARE SET (provided by client)



31439-3QT FORGED GRILL PAN (provided by client)



31610-PRO-SMART 9PC SS DURALON COOKWARE SET (provided by client)



31612-2pc Pro-Smart Fry Pan Set (8" + 12") (provided by client)

- END -

