

Materials Testing Department

Chemical Laboratory

TEST REPORT

Number: [REDACTED]

Date: 31.05.2021

Subject: Emission Tests of Cabin filter

Ordered by:

NORDFIL LLC

/Name and address

19th Line VO, House 32

Building 3, liter 1

St. Petersburg, 199106, Russia

ORDER		TESTING	
Number	Date	Commenced	Completed
e-mail	18.05.2021	05.05.2021	18.05.2021

Written by:

/First name, last name/

wz. Anna Roczka

/Signature/

Authorized by:

/First name, last name/

/Signature/

Больше об автомобильных фильтрах NORDFIL на сайте
www.nordfil.ru

Report contains:

2 pages

CHECKED BY:

KIEROWNIK ZAKŁADU
31.05.2021 Materiałoznawstwo

dr inż. Krzysztof Bondzik

Report to:

N° 1	CUSTOMER	N° 7	
N° 2	[REDACTED]	N° 8	
N° 3	[REDACTED]	N° 9	
N° 4		N° 10	
N° 5		N° 11	
N° 6		N° 12	

1. TESTED ITEM

Cabin filter (Fig. 1)

Quantity: 3 pcs



Fig. 1 Cabin filter - overall view

Delivered by: Customer on 27.04.2021

2. RANGE OF THE TEST

Odor test according to and for compliance with NES M0160 [2016-N] – Method 1.

3. RESULTS OF THE TEST

The results of Odor Test performed by Method 1 are presented in Table 1.

Table 1

Sample name	Cabin filter			
Test conditions	Method 1 – 20±2°C at 50±5% RH for 24h			
Odor evaluation ⁽¹⁾	Existence of stimulus	Pleasant or unpleasant	Odor strenght	Odor classification
Panelist 1	0	0	1	cardboard
Panelist 2	1	-1	2	vinyl, urethane, plastic
Panelist 3	1	-1	1	cardboard, weak, dust
Panelist 4	1	1	1	slightly sweet
Panelist 5	1	0	2	leather, urethane, plastic, slightly sweet, insipid
Mean	0.8	-0.2	1.4	
Requirements	≤ 1.0	≥ -1.0	-	
Remarks ⁽²⁾	O.K	O.K	-	

⁽¹⁾ Applied odor evaluation scales were:

Existence of stimulus: (0) – None, (1) – Slight, (2) – Definite, (3) – Pronounced (cannot be ignored)

Pleasant or unpleasant: (-4) – extremely unpleasant, (-3) – very unpleasant, (-2) – unpleasant, (-1) – a little unpleasant, (0) – neither pleasant nor unpleasant, (1) – a little pleasant, (2) – pleasant, (3) – very pleasant, (4) – extremely pleasant

Odor strength: (0) - not detectable, (1) – detectable with effort, (2) – some odor obviously present,

(3) – clearly detectable, (4) – strong, (5) – overwhelming

Odor classification: Expression method

⁽²⁾ – conformity statement is based on Simple Acceptance Rule (according to ISO/IEC Guide 98-4 and ILAC-G8:09/2019)

4. CONCLUSIONS

Cabin filter is compliant with NES M0160 [2016-N] requirements in the range of Odor Evaluation (Method 1).

MEASURING APPARATUS

X/5390/BMC – temperature chamber

L/5417/BMC – thermohigromether

End of Test report.