

ANALYTICAL REPORT

Perfluorooctanic acid (PFOA) and
Perfluorooctanesulfonate (PFOS)

Filter Model	CARBON GRAVITY FILTER
Name	New Millennium Concepts Limited,
Part name	PHOENIX GRAVITY NEW MILLENNIUM EDITON FILTER ELEMENT
Part Code	PFG9-2
Report Number	2511001
Report Reissued Date	01-10- 2025
Sample Details	210mm L X 70mm O0044
Flow rate	3-5 LPH
Name	New Millennium Concepts Limited,
Date of Re Reporting	01-10-2025

Testing Methodology and Quality Standards Overview

1. The test results presented were obtained using a single filter. For systems utilizing two filters, the capacity may be doubled.
2. The testing was carried out under controlled conditions in an ISO/9000:2015 & ISO 17025:2017 accredited laboratory.
3. Flushing time:

The system/unit is flushed in accordance with the manufactures instructions using test water. The system is challenged using appropriate influent challenge water.

4. Test Run: 50% ON / 50% OFF cycle.

5. Methods

- As per the Standard guidelines of NSF 53 AND NSF 42

Page 1 of 3


Vivekanand Bhat
General Manager - Quality
Authorised Signatory

ANALYTICAL REPORT

- Test methods followed as per APHA 22ND EDITION
 - Test methods followed as per AOAC 20TH EDITION
 - Test methods followed as per NSF/ANSI 53 -2020 INFORMATIVE Annex 5
 - Test methods followed as per EPA guidelines
6. Test water to be analyzed for perfluorooctanic acid (PFOA) and Perfluorooctanesulfonate (PFOS) are directly injected and then analyzed by liquid chromatography triple quadrupole mass spectroscopy LC/MS/MS in electrospray negative mode. Method sensitivity is 10 ng/L
7. Prepared the standard and samples solution as per NSF/ANSI 53 -2020



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Contaminant	Liters Tested as of 07/12/23	Influent Challenge Concentration Before Filtration (ug/L)	Effluent Concentration After Filtration (ug/L)	Maximum Allowable Effluent Concentration (ug/L)	Testing Status
PFOA	0	0.5	<0.005		Passed
PFOS	0	1	<0.005		Passed
PFOA+PFOS	0	1.5	<0.005	0.02	Passed
PFOA	250	0.5	<0.005		Passed
PFOS	250	1	<0.005		Passed
PFOA+PFOS	250	1.5	<0.005	0.02	Passed
PFOA	500	0.5	<0.005		Passed
PFOS	500	1	<0.005		Passed
PFOA+PFOS	500	1.5	<0.005	0.02	Passed
PFOA	1000	0.5	<0.005		Passed
PFOS	1000	1	<0.005		Passed
PFOA+PFOS	1000	1.5	<0.005	0.02	Passed
PFOA	1500	0.5	<0.005		Passed
PFOS	1500	1	<0.005		Passed
PFOA+PFOS	1500	1.5	<0.005	0.02	Passed