

Atom Testing Laboratory

A procedure to prove the existence
Accreditation: NABL(ISO/IEC 17025:2017)

#B-376,9th Cross, Ring Road, Peenya 1st Stage, Peenya Industrial Estate,
Bangalore - 560 058 Phone : 080-42021842 E-mail : atomprocedure@gmail.com



Analytical Report

Perfluorooctanic acid (PFOA) and
Perfluorooctanesulfonate (PFOS)
Data for Rama Water Filter.

| | |
|-------------------|--|
| Filter Model | CARBON GRAVITY FILTER |
| Product Code | PHOENIX GRAVITY FILTER |
| Batch Number | RMU1023 |
| Report Number | 2312042 |
| Report Date | December 08, 2023 |
| Sample Details | 210mm L X 70mm OD |
| Flow rate | 3-5 LPH |
| Customer Name | RAMA PURE WATER #196, East Coast Road, Injambakkam, Chennai, Tamilnadu - 600115 |
| Date of Reporting | 08-12-2023 |


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
 - Test methods followed as per APHA 22ND EDITION

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Vivekanand Bhat
General Manager

Authorised Signatory

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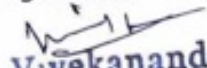


Analytical Report

- Test methods followed as per AOAC 20TH EDITION
 - Test methods followed as per NSF/ANSI53 -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/ANSI53 -2020

| 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 |

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