**Water Filters – Results 2016**

Turbidity – Filtered Tap Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Turbidity (NTU) | |
| 1 | 2 |
| A | 0 | 2 |
| B | 1 | 0 |
| C | 1 | 0 |

Turbidity – 500 ml Contaminated Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Turbidity (NTU) | |
| 1 | 2 |
| A | 10 | 18 |
| B | 22 | 20 |
| C | 22 | 14 |

Turbidity – 1000 ml Contaminated Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Turbidity (NTU) | |
| 1 | 2 |
| A | 21 | 24 |
| B | 28 | 30 |
| C | 25.75 | 23 |

Turbidity – 1500 ml Contaminated Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Turbidity (NTU) | |
| 1 | 2 |
| A | 23 | 41 |
| B | 29 | 35 |
| C | 27 | 27 |

Turbidity – 2000 ml Contaminated Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Turbidity (NTU) | |
| 1 | 2 |
| A | 24 | 44 |
| B | 29 | 36 |
| C | 29 | 29 |

Volumetric Flow rate (Q)

Flow rate – Filtered Tap Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Flow rate (l/min) | |
| 1 | 2 |
| A | 0.096 | 0.103 |
| B | 0.15 | 0.236 |
| C | 0.143 | 0.076 |

Flow rate – 500 ml Contaminated Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Flow rate (l/min) | |
| 1 | 2 |
| A | 0.079 | 0.113 |
| B | 0.145 | 0.290 |
| C | 0.152 | 0.08 |

Flow rate – 1000 ml Contaminated Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Flow rate (l/min) | |
| 1 | 2 |
| A | 0.080 | 0.100 |
| B | 0.146 | 0.272 |
| C | 0.150 | 0.07 |

Flow rate – 1500 ml Contaminated Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Flow rate (l/min) | |
| 1 | 2 |
| A | 0.078 | 0.087 |
| B | 0.143 | 0.268 |
| C | 0.150 | 0.07 |

Flow rate – 2000 ml Contaminated Water

|  |  |  |
| --- | --- | --- |
| Filter Type | Flow rate (l/min) | |
| 1 | 2 |
| A | 0.077 | 0.084 |
| B | 0.141 | 0.260 |
| C | 0.144 | 0.06 |

Turbidity of Contaminated Water   
(prior to filtration)

|  |  |
| --- | --- |
| Group | Turbidity (NTU) |
| 1 | 60 |
| 2 | 72.5 |
| 3 | 60 |
| 4 | 74 |
| 5 | 82 |
| 6 | 70 |

Quantity of cleaning water required

|  |  |  |
| --- | --- | --- |
| Filter Type | Volume (l) | |
| 1 | 2 |
| A | 2 | 2 |
| B | 1.5 | 1 |
| C | 1.5 | 2 |