|  |  |  |  |  | DALYs | | | | Probability of infection | | | | Dose | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Treatment type | Device name | Number of surveys | Mean LRV | Mean | 10th Percentile | 50th Percentile (Median) | 90th Percentile | Mean | 10th Percentile | 50th Percentile (Median) | 90th Percentile | Mean | 10th Percentile | 50th Percentile (Median) | 90th Percentile |
| *C. jejuni* | | | | | | | | | | | | | | | | |
| Fieldwork 2021 | UV | SteriPen | 5 | 1.86 | 6.79 × 10^-4 | 7.78 × 10^-6 | 4.34 × 10^-4 | 1.92 × 10^-3 | 3.57 × 10^-1 | 5.99 × 10^-3 | 2.07 × 10^-1 | 9.48 × 10^-1 | 7.86 × 10^2 | 3.13 × 10^-1 | 1.61 × 10^1 | 8.59 × 10^2 |
| Fieldwork 2021 | Chemical | Aquatabs | 11 | 3.03 | 2.00 × 10^-4 | 7.90 × 10^-7 | 2.78 × 10^-5 | 5.98 × 10^-4 | 1.22 × 10^-1 | 6.99 × 10^-4 | 2.08 × 10^-2 | 3.91 × 10^-1 | 1.26 × 10^2 | 3.64 × 10^-2 | 1.12 | 7.40 × 10^1 |
| Fieldwork 2021 | Chemical | Aquatabs, 20L | 1 | 3.13 | 5.91 × 10^-5 | 4.40 × 10^-6 | 3.85 × 10^-5 | 9.74 × 10^-5 | 3.66 × 10^-2 | 2.56 × 10^-3 | 1.60 × 10^-2 | 8.32 × 10^-2 | 2.78 | 1.33 × 10^-1 | 8.61 × 10^-1 | 5.72 |
| Fieldwork 2021 | Chemical | Pristine Drops | 5 | 2.85 | 9.89 × 10^-5 | 1.54 × 10^-5 | 4.33 × 10^-5 | 2.17 × 10^-4 | 5.70 × 10^-2 | 8.22 × 10^-3 | 2.91 × 10^-2 | 1.28 × 10^-1 | 4.98 | 4.36 × 10^-1 | 1.64 | 9.56 |
| Fieldwork 2021 | Filter | MSR Autoflow | 2 | 3.83 | 8.28 × 10^-6 | 1.00 × 10^-6 | 5.31 × 10^-6 | 1.68 × 10^-5 | 6.59 × 10^-3 | 5.70 × 10^-4 | 4.74 × 10^-3 | 1.54 × 10^-2 | 3.52 × 10^-1 | 2.96 × 10^-2 | 2.49 × 10^-1 | 8.28 × 10^-1 |
| Fieldwork 2021 | Filter | MSR Guardian | 1 | 3.90 | 9.05 × 10^-6 | 5.65 × 10^-7 | 2.43 × 10^-6 | 2.09 × 10^-5 | 4.63 × 10^-3 | 2.64 × 10^-4 | 2.72 × 10^-3 | 8.47 × 10^-3 | 2.46 × 10^-1 | 1.37 × 10^-2 | 1.42 × 10^-1 | 4.51 × 10^-1 |
| Fieldwork 2021 | Filter | MSR Hyperflow | 4 | 3.03 | 6.01 × 10^-5 | 1.87 × 10^-6 | 3.31 × 10^-5 | 1.88 × 10^-4 | 3.65 × 10^-2 | 1.38 × 10^-3 | 2.32 × 10^-2 | 9.50 × 10^-2 | 2.36 | 7.19 × 10^-2 | 1.27 | 6.84 |
| Fieldwork 2021 | Filter | MSR Miniworks | 6 | 2.96 | 1.16 × 10^-4 | 1.91 × 10^-6 | 3.65 × 10^-5 | 3.75 × 10^-4 | 7.85 × 10^-2 | 1.17 × 10^-3 | 2.71 × 10^-2 | 2.30 × 10^-1 | 1.09 × 10^1 | 6.10 × 10^-2 | 1.47 | 2.49 × 10^1 |
| Fieldwork 2021 | Filter | MSR Trailshot | 6 | 2.97 | 1.15 × 10^-4 | 1.74 × 10^-6 | 5.09 × 10^-5 | 3.08 × 10^-4 | 6.72 × 10^-2 | 1.69 × 10^-3 | 3.64 × 10^-2 | 1.73 × 10^-1 | 7.25 | 8.81 × 10^-2 | 2.02 | 1.52 × 10^1 |
| Fieldwork 2021 | Filter | Grayl | 6 | 2.61 | 2.61 × 10^-4 | 3.30 × 10^-7 | 1.05 × 10^-4 | 6.15 × 10^-4 | 1.81 × 10^-1 | 2.37 × 10^-4 | 6.21 × 10^-2 | 4.20 × 10^-1 | 1.02 × 10^2 | 1.23 × 10^-2 | 3.70 | 1.67 × 10^2 |
| Fieldwork 2021 | Filter | Katadyn Base Camp Pro, 10 L | 1 | 1.73 | 4.77 × 10^-4 | 1.29 × 10^-4 | 2.71 × 10^-4 | 1.08 × 10^-3 | 3.35 × 10^-1 | 9.54 × 10^-2 | 3.43 × 10^-1 | 5.38 × 10^-1 | 9.27 × 10^1 | 6.05 | 4.10 × 10^1 | 2.25 × 10^2 |
| Fieldwork 2021 | Filter | Katadyn BeFree | 20 | 3.29 | 1.29 × 10^-4 | 9.27 × 10^-7 | 1.89 × 10^-5 | 4.13 × 10^-4 | 8.67 × 10^-2 | 8.57 × 10^-4 | 1.31 × 10^-2 | 2.63 × 10^-1 | 4.29 × 10^1 | 4.46 × 10^-2 | 6.98 × 10^-1 | 2.48 × 10^1 |
| Fieldwork 2021 | Filter | Katadyn Hiker Pro | 4 | 3.12 | 1.13 × 10^-4 | 6.16 × 10^-7 | 3.04 × 10^-5 | 2.40 × 10^-4 | 7.04 × 10^-2 | 4.84 × 10^-4 | 1.94 × 10^-2 | 1.81 × 10^-1 | 1.51 × 10^1 | 2.52 × 10^-2 | 1.04 | 1.61 × 10^1 |
| Fieldwork 2021 | Filter | Katadyn Vario | 3 | 3.32 | 1.55 × 10^-4 | 6.47 × 10^-7 | 3.93 × 10^-6 | 5.72 × 10^-4 | 1.23 × 10^-1 | 4.54 × 10^-4 | 3.48 × 10^-3 | 3.88 × 10^-1 | 4.00 × 10^1 | 2.36 × 10^-2 | 1.83 × 10^-1 | 8.21 × 10^1 |
| Fieldwork 2021 | Filter | Lifestraw Flex | 1 | 1.55 | 3.53 × 10^-4 | 1.14 × 10^-4 | 2.84 × 10^-4 | 7.85 × 10^-4 | 2.50 × 10^-1 | 8.96 × 10^-2 | 2.10 × 10^-1 | 3.91 × 10^-1 | 3.60 × 10^1 | 5.09 | 1.51 × 10^1 | 6.82 × 10^1 |
| Fieldwork 2021 | Filter | Miniwell L630 | 1 | 4.38 | 7.98 × 10^-6 | 4.65 × 10^-7 | 2.54 × 10^-6 | 1.44 × 10^-5 | 3.86 × 10^-3 | 2.87 × 10^-4 | 1.23 × 10^-3 | 7.25 × 10^-3 | 2.05 × 10^-1 | 1.49 × 10^-2 | 6.43 × 10^-2 | 3.83 × 10^-1 |
| Fieldwork 2021 | Filter | Platypus GravityWorks | 12 | 3.88 | 2.64 × 10^-5 | 3.82 × 10^-7 | 6.93 × 10^-6 | 5.86 × 10^-5 | 1.48 × 10^-2 | 3.74 × 10^-4 | 4.38 × 10^-3 | 3.62 × 10^-2 | 9.93 × 10^-1 | 1.95 × 10^-2 | 2.28 × 10^-1 | 2.11 |
| Fieldwork 2021 | Filter | Pristine Filter | 1 | 4.83 | 6.67 × 10^-7 | 5.90 × 10^-8 | 2.36 × 10^-7 | 1.07 × 10^-6 | 3.88 × 10^-4 | 3.88 × 10^-5 | 1.36 × 10^-4 | 8.59 × 10^-4 | 2.02 × 10^-2 | 2.02 × 10^-3 | 7.05 × 10^-3 | 4.47 × 10^-2 |
| Fieldwork 2021 | Filter | Sawyer Micro Squeeze | 1 | 5.07 | 4.99 × 10^-6 | 1.58 × 10^-7 | 3.59 × 10^-7 | 6.67 × 10^-6 | 2.68 × 10^-3 | 1.13 × 10^-4 | 3.52 × 10^-4 | 4.93 × 10^-3 | 1.49 × 10^-1 | 5.87 × 10^-3 | 1.83 × 10^-2 | 2.67 × 10^-1 |
| Fieldwork 2021 | Filter | Sawyer Mini | 6 | 3.93 | 1.59 × 10^-5 | 6.26 × 10^-7 | 4.21 × 10^-6 | 3.53 × 10^-5 | 1.12 × 10^-2 | 4.88 × 10^-4 | 3.26 × 10^-3 | 3.15 × 10^-2 | 7.06 × 10^-1 | 2.54 × 10^-2 | 1.70 × 10^-1 | 1.81 |
| Fieldwork 2021 | Filter | Sawyer Squeeze | 6 | 2.88 | 1.06 × 10^-4 | 4.49 × 10^-6 | 4.63 × 10^-5 | 2.55 × 10^-4 | 6.67 × 10^-2 | 4.13 × 10^-3 | 2.61 × 10^-2 | 1.73 × 10^-1 | 1.02 × 10^1 | 2.16 × 10^-1 | 1.42 | 1.34 × 10^1 |
| Fieldwork 2021 | Filter | Survivor Pro X | 1 | 3.13 | 4.29 × 10^-5 | 3.08 × 10^-6 | 1.96 × 10^-5 | 8.19 × 10^-5 | 2.89 × 10^-2 | 1.87 × 10^-3 | 2.32 × 10^-2 | 4.34 × 10^-2 | 2.02 | 9.74 × 10^-2 | 1.25 | 2.84 |
| Fieldwork 2021 | Filter | Versa Flow | 1 | 2.82 | 3.13 × 10^-5 | 6.84 × 10^-6 | 2.36 × 10^-5 | 6.74 × 10^-5 | 2.96 × 10^-2 | 6.33 × 10^-3 | 2.62 × 10^-2 | 6.07 × 10^-2 | 1.73 | 3.32 × 10^-1 | 1.42 | 3.78 |
| Manufacturer claim | UV | SteriPen | 5 | 3.00 | 7.93 × 10^-5 | 7.43 × 10^-6 | 3.29 × 10^-5 | 2.22 × 10^-4 | 4.63 × 10^-2 | 5.57 × 10^-3 | 1.97 × 10^-2 | 1.40 × 10^-1 | 3.61 | 2.92 × 10^-1 | 1.08 | 1.22 × 10^1 |
| Manufacturer claim | Chemical | Aquatabs | 11 | 6.00 | 8.56 × 10^-8 | 7.20 × 10^-9 | 3.46 × 10^-8 | 1.70 × 10^-7 | 5.62 × 10^-5 | 4.76 × 10^-6 | 2.57 × 10^-5 | 1.13 × 10^-4 | 2.92 × 10^-3 | 2.47 × 10^-4 | 1.34 × 10^-3 | 5.88 × 10^-3 |
| Manufacturer claim | Chemical | Aquatabs, 20L | 1 | 6.00 | 1.14 × 10^-7 | 5.89 × 10^-9 | 5.32 × 10^-8 | 1.69 × 10^-7 | 7.14 × 10^-5 | 3.43 × 10^-6 | 2.21 × 10^-5 | 1.47 × 10^-4 | 3.71 × 10^-3 | 1.78 × 10^-4 | 1.15 × 10^-3 | 7.62 × 10^-3 |
| Manufacturer claim | Chemical | Pristine Drops | 5 | 6.00 | 7.63 × 10^-8 | 1.27 × 10^-8 | 4.24 × 10^-8 | 1.88 × 10^-7 | 4.46 × 10^-5 | 7.01 × 10^-6 | 2.17 × 10^-5 | 1.01 × 10^-4 | 2.32 × 10^-3 | 3.64 × 10^-4 | 1.13 × 10^-3 | 5.22 × 10^-3 |
| Manufacturer claim | Filter | MSR Autoflow | 2 | 6.00 | 5.49 × 10^-8 | 7.54 × 10^-9 | 3.56 × 10^-8 | 1.08 × 10^-7 | 4.36 × 10^-5 | 4.22 × 10^-6 | 3.15 × 10^-5 | 1.03 × 10^-4 | 2.27 × 10^-3 | 2.20 × 10^-4 | 1.64 × 10^-3 | 5.34 × 10^-3 |
| Manufacturer claim | Filter | MSR Guardian | 1 | 6.00 | 7.32 × 10^-8 | 4.45 × 10^-9 | 1.92 × 10^-8 | 1.69 × 10^-7 | 3.73 × 10^-5 | 2.08 × 10^-6 | 2.14 × 10^-5 | 6.83 × 10^-5 | 1.94 × 10^-3 | 1.08 × 10^-4 | 1.11 × 10^-3 | 3.55 × 10^-3 |
| Manufacturer claim | Filter | MSR Hyperflow | 4 | 6.00 | 5.65 × 10^-8 | 7.00 × 10^-9 | 3.03 × 10^-8 | 1.79 × 10^-7 | 3.82 × 10^-5 | 4.23 × 10^-6 | 2.04 × 10^-5 | 1.18 × 10^-4 | 1.99 × 10^-3 | 2.20 × 10^-4 | 1.06 × 10^-3 | 6.12 × 10^-3 |
| Manufacturer claim | Filter | MSR Miniworks | 6 | 6.00 | 1.58 × 10^-7 | 3.95 × 10^-9 | 3.88 × 10^-8 | 1.80 × 10^-7 | 1.18 × 10^-4 | 4.26 × 10^-6 | 2.17 × 10^-5 | 1.64 × 10^-4 | 6.20 × 10^-3 | 2.21 × 10^-4 | 1.13 × 10^-3 | 8.54 × 10^-3 |
| Manufacturer claim | Filter | MSR Trailshot | 6 | 6.00 | 1.27 × 10^-7 | 9.31 × 10^-9 | 3.34 × 10^-8 | 2.26 × 10^-7 | 7.01 × 10^-5 | 4.95 × 10^-6 | 1.87 × 10^-5 | 1.31 × 10^-4 | 3.65 × 10^-3 | 2.57 × 10^-4 | 9.70 × 10^-4 | 6.79 × 10^-3 |
| Manufacturer claim | Filter | Grayl | 6 | 6.00 | 1.17 × 10^-7 | 6.49 × 10^-9 | 3.86 × 10^-8 | 2.91 × 10^-7 | 1.09 × 10^-4 | 5.39 × 10^-6 | 2.22 × 10^-5 | 1.59 × 10^-4 | 5.67 × 10^-3 | 2.80 × 10^-4 | 1.15 × 10^-3 | 8.28 × 10^-3 |
| Manufacturer claim | Filter | Katadyn Base Camp Pro, 10 L | 1 | 6.00 | 1.73 × 10^-7 | 1.02 × 10^-8 | 2.77 × 10^-8 | 4.56 × 10^-7 | 9.51 × 10^-5 | 6.21 × 10^-6 | 4.21 × 10^-5 | 2.31 × 10^-4 | 4.94 × 10^-3 | 3.23 × 10^-4 | 2.19 × 10^-3 | 1.20 × 10^-2 |
| Manufacturer claim | Filter | Katadyn BeFree | 20 | 6.00 | 1.29 × 10^-7 | 7.58 × 10^-9 | 4.43 × 10^-8 | 2.44 × 10^-7 | 7.53 × 10^-5 | 5.86 × 10^-6 | 3.30 × 10^-5 | 1.51 × 10^-4 | 3.92 × 10^-3 | 3.04 × 10^-4 | 1.72 × 10^-3 | 7.82 × 10^-3 |
| Manufacturer claim | Filter | Katadyn Hiker Pro | 4 | 6.00 | 1.23 × 10^-7 | 4.76 × 10^-9 | 4.03 × 10^-8 | 2.70 × 10^-7 | 8.27 × 10^-5 | 4.00 × 10^-6 | 2.43 × 10^-5 | 2.18 × 10^-4 | 4.31 × 10^-3 | 2.08 × 10^-4 | 1.26 × 10^-3 | 1.13 × 10^-2 |
| Manufacturer claim | Filter | Katadyn Vario | 3 | 6.00 | 1.07 × 10^-7 | 7.00 × 10^-9 | 3.44 × 10^-8 | 2.59 × 10^-7 | 7.56 × 10^-5 | 6.98 × 10^-6 | 2.26 × 10^-5 | 1.51 × 10^-4 | 3.93 × 10^-3 | 3.62 × 10^-4 | 1.17 × 10^-3 | 7.85 × 10^-3 |
| Manufacturer claim | Filter | Lifestraw Flex | 1 | 8.66 | 6.95 × 10^-11 | 1.20 × 10^-11 | 3.26 × 10^-11 | 1.24 × 10^-10 | 5.41 × 10^-8 | 7.66 × 10^-9 | 2.27 × 10^-8 | 1.03 × 10^-7 | 2.81 × 10^-6 | 3.98 × 10^-7 | 1.18 × 10^-6 | 5.33 × 10^-6 |
| Manufacturer claim | Filter | Miniwell L630 | 1 | 4.00 | 1.85 × 10^-5 | 1.12 × 10^-6 | 6.08 × 10^-6 | 3.37 × 10^-5 | 8.96 × 10^-3 | 6.89 × 10^-4 | 2.95 × 10^-3 | 1.70 × 10^-2 | 4.93 × 10^-1 | 3.58 × 10^-2 | 1.54 × 10^-1 | 9.20 × 10^-1 |
| Manufacturer claim | Filter | Platypus GravityWorks | 12 | 6.00 | 1.50 × 10^-7 | 7.57 × 10^-9 | 4.67 × 10^-8 | 2.90 × 10^-7 | 8.20 × 10^-5 | 6.30 × 10^-6 | 3.01 × 10^-5 | 1.60 × 10^-4 | 4.27 × 10^-3 | 3.27 × 10^-4 | 1.56 × 10^-3 | 8.30 × 10^-3 |
| Manufacturer claim | Filter | Pristine Filter | 1 | 7.00 | 4.48 × 10^-9 | 3.95 × 10^-10 | 1.58 × 10^-9 | 7.18 × 10^-9 | 2.61 × 10^-6 | 2.60 × 10^-7 | 9.09 × 10^-7 | 5.77 × 10^-6 | 1.36 × 10^-4 | 1.35 × 10^-5 | 4.72 × 10^-5 | 3.00 × 10^-4 |
| Manufacturer claim | Filter | Sawyer Micro Squeeze | 1 | 7.00 | 6.35 × 10^-8 | 1.87 × 10^-9 | 4.24 × 10^-9 | 8.37 × 10^-8 | 3.39 × 10^-5 | 1.33 × 10^-6 | 4.16 × 10^-6 | 6.07 × 10^-5 | 1.76 × 10^-3 | 6.93 × 10^-5 | 2.16 × 10^-4 | 3.16 × 10^-3 |
| Manufacturer claim | Filter | Sawyer Mini | 6 | 8.56 | 3.57 × 10^-10 | 2.01 × 10^-11 | 8.68 × 10^-11 | 6.83 × 10^-10 | 2.44 × 10^-7 | 1.59 × 10^-8 | 6.16 × 10^-8 | 5.30 × 10^-7 | 1.27 × 10^-5 | 8.27 × 10^-7 | 3.20 × 10^-6 | 2.75 × 10^-5 |
| Manufacturer claim | Filter | Sawyer Squeeze | 6 | 7.00 | 8.26 × 10^-9 | 5.44 × 10^-10 | 3.22 × 10^-9 | 1.62 × 10^-8 | 4.97 × 10^-6 | 4.01 × 10^-7 | 2.51 × 10^-6 | 9.50 × 10^-6 | 2.58 × 10^-4 | 2.08 × 10^-5 | 1.30 × 10^-4 | 4.94 × 10^-4 |
| Manufacturer claim | Filter | Survivor Pro X | 1 | 7.00 | 7.56 × 10^-9 | 4.12 × 10^-10 | 2.73 × 10^-9 | 1.29 × 10^-8 | 5.18 × 10^-6 | 2.50 × 10^-7 | 3.22 × 10^-6 | 7.28 × 10^-6 | 2.69 × 10^-4 | 1.30 × 10^-5 | 1.67 × 10^-4 | 3.78 × 10^-4 |
| Manufacturer claim | Filter | Versa Flow | 1 | 8.00 | 2.29 × 10^-10 | 4.64 × 10^-11 | 1.84 × 10^-10 | 5.34 × 10^-10 | 2.22 × 10^-7 | 4.26 × 10^-8 | 1.83 × 10^-7 | 4.85 × 10^-7 | 1.15 × 10^-5 | 2.21 × 10^-6 | 9.50 × 10^-6 | 2.52 × 10^-5 |
| Difference between field and manufacturer | UV | SteriPen | 5 | -1.14 | 6.00 × 10^-4 | -4.21 × 10^-5 | 3.88 × 10^-4 | 1.90 × 10^-3 | 3.10 × 10^-1 | -1.83 × 10^-2 | 2.02 × 10^-1 | 9.25 × 10^-1 | 7.83 × 10^2 | -1.07 | 1.47 × 10^1 | 8.58 × 10^2 |
| Difference between field and manufacturer | Chemical | Aquatabs | 11 | -2.97 | 2.00 × 10^-4 | 7.76 × 10^-7 | 2.75 × 10^-5 | 5.98 × 10^-4 | 1.22 × 10^-1 | 6.71 × 10^-4 | 2.07 × 10^-2 | 3.91 × 10^-1 | 1.26 × 10^2 | 3.49 × 10^-2 | 1.12 | 7.40 × 10^1 |
| Difference between field and manufacturer | Chemical | Aquatabs, 20L | 1 | -2.87 | 5.89 × 10^-5 | 4.39 × 10^-6 | 3.84 × 10^-5 | 9.72 × 10^-5 | 3.65 × 10^-2 | 2.56 × 10^-3 | 1.60 × 10^-2 | 8.30 × 10^-2 | 2.78 | 1.33 × 10^-1 | 8.60 × 10^-1 | 5.71 |
| Difference between field and manufacturer | Chemical | Pristine Drops | 5 | -3.15 | 9.89 × 10^-5 | 1.54 × 10^-5 | 4.33 × 10^-5 | 2.17 × 10^-4 | 5.70 × 10^-2 | 8.21 × 10^-3 | 2.90 × 10^-2 | 1.28 × 10^-1 | 4.98 | 4.35 × 10^-1 | 1.64 | 9.56 |
| Difference between field and manufacturer | Filter | MSR Autoflow | 2 | -2.17 | 8.22 × 10^-6 | 9.97 × 10^-7 | 5.28 × 10^-6 | 1.67 × 10^-5 | 6.54 × 10^-3 | 5.66 × 10^-4 | 4.71 × 10^-3 | 1.53 × 10^-2 | 3.50 × 10^-1 | 2.94 × 10^-2 | 2.47 × 10^-1 | 8.23 × 10^-1 |
| Difference between field and manufacturer | Filter | MSR Guardian | 1 | -2.10 | 8.98 × 10^-6 | 5.60 × 10^-7 | 2.41 × 10^-6 | 2.07 × 10^-5 | 4.59 × 10^-3 | 2.62 × 10^-4 | 2.69 × 10^-3 | 8.40 × 10^-3 | 2.44 × 10^-1 | 1.36 × 10^-2 | 1.40 × 10^-1 | 4.48 × 10^-1 |
| Difference between field and manufacturer | Filter | MSR Hyperflow | 4 | -2.97 | 6.01 × 10^-5 | 1.86 × 10^-6 | 3.30 × 10^-5 | 1.88 × 10^-4 | 3.65 × 10^-2 | 1.37 × 10^-3 | 2.32 × 10^-2 | 9.49 × 10^-2 | 2.36 | 7.15 × 10^-2 | 1.27 | 6.84 |
| Difference between field and manufacturer | Filter | MSR Miniworks | 6 | -3.04 | 1.16 × 10^-4 | 1.87 × 10^-6 | 3.64 × 10^-5 | 3.75 × 10^-4 | 7.84 × 10^-2 | 1.15 × 10^-3 | 2.71 × 10^-2 | 2.30 × 10^-1 | 1.09 × 10^1 | 5.98 × 10^-2 | 1.47 | 2.49 × 10^1 |
| Difference between field and manufacturer | Filter | MSR Trailshot | 6 | -3.03 | 1.14 × 10^-4 | 1.69 × 10^-6 | 5.09 × 10^-5 | 3.08 × 10^-4 | 6.71 × 10^-2 | 1.69 × 10^-3 | 3.63 × 10^-2 | 1.73 × 10^-1 | 7.25 | 8.77 × 10^-2 | 2.02 | 1.52 × 10^1 |
| Difference between field and manufacturer | Filter | Grayl | 6 | -3.39 | 2.61 × 10^-4 | 2.86 × 10^-7 | 1.05 × 10^-4 | 6.15 × 10^-4 | 1.81 × 10^-1 | 2.05 × 10^-4 | 6.21 × 10^-2 | 4.20 × 10^-1 | 1.02 × 10^2 | 1.07 × 10^-2 | 3.70 | 1.67 × 10^2 |
| Difference between field and manufacturer | Filter | Katadyn Base Camp Pro, 10 L | 1 | -4.27 | 4.76 × 10^-4 | 1.29 × 10^-4 | 2.71 × 10^-4 | 1.08 × 10^-3 | 3.35 × 10^-1 | 9.54 × 10^-2 | 3.43 × 10^-1 | 5.38 × 10^-1 | 9.27 × 10^1 | 6.05 | 4.10 × 10^1 | 2.25 × 10^2 |
| Difference between field and manufacturer | Filter | Katadyn BeFree | 20 | -2.71 | 1.28 × 10^-4 | 8.90 × 10^-7 | 1.89 × 10^-5 | 4.13 × 10^-4 | 8.66 × 10^-2 | 8.40 × 10^-4 | 1.30 × 10^-2 | 2.63 × 10^-1 | 4.29 × 10^1 | 4.37 × 10^-2 | 6.97 × 10^-1 | 2.48 × 10^1 |
| Difference between field and manufacturer | Filter | Katadyn Hiker Pro | 4 | -2.88 | 1.13 × 10^-4 | 5.75 × 10^-7 | 3.04 × 10^-5 | 2.40 × 10^-4 | 7.03 × 10^-2 | 4.52 × 10^-4 | 1.94 × 10^-2 | 1.81 × 10^-1 | 1.51 × 10^1 | 2.35 × 10^-2 | 1.04 | 1.61 × 10^1 |
| Difference between field and manufacturer | Filter | Katadyn Vario | 3 | -2.68 | 1.55 × 10^-4 | 6.33 × 10^-7 | 3.87 × 10^-6 | 5.72 × 10^-4 | 1.23 × 10^-1 | 4.44 × 10^-4 | 3.42 × 10^-3 | 3.88 × 10^-1 | 4.00 × 10^1 | 2.31 × 10^-2 | 1.80 × 10^-1 | 8.21 × 10^1 |
| Difference between field and manufacturer | Filter | Lifestraw Flex | 1 | -7.11 | 3.53 × 10^-4 | 1.14 × 10^-4 | 2.84 × 10^-4 | 7.85 × 10^-4 | 2.50 × 10^-1 | 8.96 × 10^-2 | 2.10 × 10^-1 | 3.91 × 10^-1 | 3.60 × 10^1 | 5.09 | 1.51 × 10^1 | 6.82 × 10^1 |
| Difference between field and manufacturer | Filter | Miniwell L630 | 1 | 0.38 | -1.05 × 10^-5 | -1.93 × 10^-5 | -3.54 × 10^-6 | -6.51 × 10^-7 | -5.11 × 10^-3 | -9.76 × 10^-3 | -1.72 × 10^-3 | -4.02 × 10^-4 | -2.87 × 10^-1 | -5.37 × 10^-1 | -9.01 × 10^-2 | -2.09 × 10^-2 |
| Difference between field and manufacturer | Filter | Platypus GravityWorks | 12 | -2.12 | 2.62 × 10^-5 | 3.74 × 10^-7 | 6.90 × 10^-6 | 5.84 × 10^-5 | 1.47 × 10^-2 | 3.43 × 10^-4 | 4.36 × 10^-3 | 3.60 × 10^-2 | 9.89 × 10^-1 | 1.78 × 10^-2 | 2.28 × 10^-1 | 2.10 |
| Difference between field and manufacturer | Filter | Pristine Filter | 1 | -2.17 | 6.62 × 10^-7 | 5.86 × 10^-8 | 2.35 × 10^-7 | 1.06 × 10^-6 | 3.85 × 10^-4 | 3.86 × 10^-5 | 1.35 × 10^-4 | 8.53 × 10^-4 | 2.01 × 10^-2 | 2.00 × 10^-3 | 7.00 × 10^-3 | 4.44 × 10^-2 |
| Difference between field and manufacturer | Filter | Sawyer Micro Squeeze | 1 | -1.93 | 4.92 × 10^-6 | 1.57 × 10^-7 | 3.54 × 10^-7 | 6.59 × 10^-6 | 2.65 × 10^-3 | 1.12 × 10^-4 | 3.48 × 10^-4 | 4.87 × 10^-3 | 1.48 × 10^-1 | 5.80 × 10^-3 | 1.81 × 10^-2 | 2.64 × 10^-1 |
| Difference between field and manufacturer | Filter | Sawyer Mini | 6 | -4.63 | 1.59 × 10^-5 | 6.26 × 10^-7 | 4.21 × 10^-6 | 3.53 × 10^-5 | 1.12 × 10^-2 | 4.88 × 10^-4 | 3.26 × 10^-3 | 3.15 × 10^-2 | 7.06 × 10^-1 | 2.54 × 10^-2 | 1.70 × 10^-1 | 1.81 |
| Difference between field and manufacturer | Filter | Sawyer Squeeze | 6 | -4.12 | 1.06 × 10^-4 | 4.49 × 10^-6 | 4.63 × 10^-5 | 2.55 × 10^-4 | 6.67 × 10^-2 | 4.13 × 10^-3 | 2.61 × 10^-2 | 1.73 × 10^-1 | 1.02 × 10^1 | 2.16 × 10^-1 | 1.42 | 1.34 × 10^1 |
| Difference between field and manufacturer | Filter | Survivor Pro X | 1 | -3.87 | 4.29 × 10^-5 | 3.08 × 10^-6 | 1.96 × 10^-5 | 8.19 × 10^-5 | 2.89 × 10^-2 | 1.87 × 10^-3 | 2.32 × 10^-2 | 4.34 × 10^-2 | 2.02 | 9.74 × 10^-2 | 1.25 | 2.84 |
| Difference between field and manufacturer | Filter | Versa Flow | 1 | -5.18 | 3.13 × 10^-5 | 6.84 × 10^-6 | 2.36 × 10^-5 | 6.74 × 10^-5 | 2.96 × 10^-2 | 6.33 × 10^-3 | 2.62 × 10^-2 | 6.07 × 10^-2 | 1.73 | 3.32 × 10^-1 | 1.42 | 3.78 |
| *G. lamblia* | | | | | | | | | | | | | | | | |
| Fieldwork 2021 | UV | SteriPen | 5 | 2.67 | 1.72 × 10^-8 | 1.72 × 10^-11 | 1.02 × 10^-8 | 4.28 × 10^-8 | 2.33 × 10^-5 | 2.51 × 10^-8 | 1.57 × 10^-5 | 5.37 × 10^-5 | 1.17 × 10^-3 | 1.26 × 10^-6 | 7.91 × 10^-4 | 2.70 × 10^-3 |
| Fieldwork 2021 | Chemical | Aquatabs | 11 | 3.09 | 1.03 × 10^-8 | 9.41 × 10^-11 | 2.46 × 10^-9 | 4.07 × 10^-8 | 1.31 × 10^-5 | 1.58 × 10^-7 | 3.06 × 10^-6 | 4.47 × 10^-5 | 6.56 × 10^-4 | 7.92 × 10^-6 | 1.54 × 10^-4 | 2.24 × 10^-3 |
| Fieldwork 2021 | Chemical | Pristine Drops | 5 | 1.79 | 5.11 × 10^-8 | 1.21 × 10^-8 | 2.83 × 10^-8 | 1.43 × 10^-7 | 6.51 × 10^-5 | 1.69 × 10^-5 | 3.97 × 10^-5 | 1.79 × 10^-4 | 3.27 × 10^-3 | 8.48 × 10^-4 | 2.00 × 10^-3 | 9.02 × 10^-3 |
| Fieldwork 2021 | Filter | MSR Autoflow | 2 | 5.08 | 6.18 × 10^-11 | 1.78 × 10^-12 | 2.54 × 10^-11 | 1.65 × 10^-10 | 7.97 × 10^-8 | 3.30 × 10^-9 | 4.84 × 10^-8 | 1.93 × 10^-7 | 4.01 × 10^-6 | 1.66 × 10^-7 | 2.43 × 10^-6 | 9.72 × 10^-6 |
| Fieldwork 2021 | Filter | MSR Guardian | 1 | 3.70 | 5.91 × 10^-10 | 3.33 × 10^-10 | 6.50 × 10^-10 | 8.30 × 10^-10 | 7.43 × 10^-7 | 4.06 × 10^-7 | 6.70 × 10^-7 | 1.11 × 10^-6 | 3.73 × 10^-5 | 2.04 × 10^-5 | 3.37 × 10^-5 | 5.57 × 10^-5 |
| Fieldwork 2021 | Filter | MSR Hyperflow | 4 | 3.26 | 5.27 × 10^-9 | 7.83 × 10^-11 | 2.12 × 10^-9 | 1.59 × 10^-8 | 7.49 × 10^-6 | 1.49 × 10^-7 | 2.95 × 10^-6 | 2.30 × 10^-5 | 3.77 × 10^-4 | 7.48 × 10^-6 | 1.48 × 10^-4 | 1.16 × 10^-3 |
| Fieldwork 2021 | Filter | MSR Miniworks | 6 | 3.80 | 2.66 × 10^-9 | 8.45 × 10^-12 | 3.90 × 10^-10 | 9.62 × 10^-9 | 3.27 × 10^-6 | 9.32 × 10^-9 | 5.04 × 10^-7 | 1.39 × 10^-5 | 1.65 × 10^-4 | 4.69 × 10^-7 | 2.53 × 10^-5 | 6.99 × 10^-4 |
| Fieldwork 2021 | Filter | MSR Trailshot | 6 | 4.43 | 2.83 × 10^-10 | 4.48 × 10^-12 | 1.06 × 10^-10 | 7.86 × 10^-10 | 3.75 × 10^-7 | 6.98 × 10^-9 | 1.88 × 10^-7 | 9.63 × 10^-7 | 1.88 × 10^-5 | 3.51 × 10^-7 | 9.42 × 10^-6 | 4.84 × 10^-5 |
| Fieldwork 2021 | Filter | Grayl | 6 | 3.26 | 1.08 × 10^-7 | 9.45 × 10^-12 | 9.98 × 10^-10 | 5.04 × 10^-7 | 1.58 × 10^-4 | 1.25 × 10^-8 | 1.65 × 10^-6 | 8.95 × 10^-4 | 7.93 × 10^-3 | 6.26 × 10^-7 | 8.29 × 10^-5 | 4.50 × 10^-2 |
| Fieldwork 2021 | Filter | Katadyn Base Camp Pro, 10 L | 1 | 4.86 | 3.17 × 10^-11 | 1.49 × 10^-11 | 2.90 × 10^-11 | 5.16 × 10^-11 | 3.85 × 10^-8 | 2.71 × 10^-8 | 3.87 × 10^-8 | 4.87 × 10^-8 | 1.94 × 10^-6 | 1.36 × 10^-6 | 1.94 × 10^-6 | 2.45 × 10^-6 |
| Fieldwork 2021 | Filter | Katadyn BeFree | 20 | 4.17 | 5.53 × 10^-10 | 6.52 × 10^-12 | 1.73 × 10^-10 | 1.63 × 10^-9 | 7.17 × 10^-7 | 7.88 × 10^-9 | 2.80 × 10^-7 | 2.65 × 10^-6 | 3.60 × 10^-5 | 3.96 × 10^-7 | 1.41 × 10^-5 | 1.33 × 10^-4 |
| Fieldwork 2021 | Filter | Katadyn Hiker Pro | 4 | 4.27 | 9.48 × 10^-10 | 3.52 × 10^-12 | 3.74 × 10^-10 | 2.43 × 10^-9 | 1.25 × 10^-6 | 6.70 × 10^-9 | 7.12 × 10^-7 | 2.92 × 10^-6 | 6.26 × 10^-5 | 3.37 × 10^-7 | 3.58 × 10^-5 | 1.47 × 10^-4 |
| Fieldwork 2021 | Filter | Katadyn Vario | 3 | 2.86 | 4.52 × 10^-9 | 5.90 × 10^-10 | 4.48 × 10^-9 | 8.84 × 10^-9 | 5.74 × 10^-6 | 7.54 × 10^-7 | 5.54 × 10^-6 | 1.07 × 10^-5 | 2.89 × 10^-4 | 3.79 × 10^-5 | 2.79 × 10^-4 | 5.39 × 10^-4 |
| Fieldwork 2021 | Filter | Lifestraw Flex | 1 | 4.08 | 1.74 × 10^-10 | 7.44 × 10^-11 | 1.91 × 10^-10 | 2.28 × 10^-10 | 2.34 × 10^-7 | 1.80 × 10^-7 | 2.18 × 10^-7 | 2.98 × 10^-7 | 1.18 × 10^-5 | 9.02 × 10^-6 | 1.10 × 10^-5 | 1.50 × 10^-5 |
| Fieldwork 2021 | Filter | Miniwell L630 | 1 | 3.78 | 3.43 × 10^-10 | 2.15 × 10^-10 | 3.68 × 10^-10 | 4.59 × 10^-10 | 4.17 × 10^-7 | 2.84 × 10^-7 | 4.34 × 10^-7 | 6.05 × 10^-7 | 2.10 × 10^-5 | 1.43 × 10^-5 | 2.18 × 10^-5 | 3.04 × 10^-5 |
| Fieldwork 2021 | Filter | Platypus GravityWorks | 12 | 4.50 | 1.90 × 10^-9 | 2.02 × 10^-12 | 6.62 × 10^-11 | 5.08 × 10^-9 | 2.34 × 10^-6 | 3.26 × 10^-9 | 9.98 × 10^-8 | 6.15 × 10^-6 | 1.17 × 10^-4 | 1.64 × 10^-7 | 5.02 × 10^-6 | 3.09 × 10^-4 |
| Fieldwork 2021 | Filter | Pristine Filter | 1 | 5.39 | 1.13 × 10^-11 | 6.60 × 10^-12 | 1.02 × 10^-11 | 1.72 × 10^-11 | 1.26 × 10^-8 | 8.09 × 10^-9 | 1.43 × 10^-8 | 1.54 × 10^-8 | 6.34 × 10^-7 | 4.07 × 10^-7 | 7.18 × 10^-7 | 7.76 × 10^-7 |
| Fieldwork 2021 | Filter | Sawyer Micro Squeeze | 1 | 4.30 | 8.85 × 10^-11 | 5.20 × 10^-11 | 7.74 × 10^-11 | 1.40 × 10^-10 | 1.27 × 10^-7 | 1.00 × 10^-7 | 1.20 × 10^-7 | 1.56 × 10^-7 | 6.41 × 10^-6 | 5.02 × 10^-6 | 6.04 × 10^-6 | 7.83 × 10^-6 |
| Fieldwork 2021 | Filter | Sawyer Mini | 6 | 4.45 | 1.12 × 10^-9 | 4.03 × 10^-12 | 4.84 × 10^-11 | 5.25 × 10^-9 | 1.38 × 10^-6 | 6.33 × 10^-9 | 6.92 × 10^-8 | 5.43 × 10^-6 | 6.94 × 10^-5 | 3.18 × 10^-7 | 3.48 × 10^-6 | 2.73 × 10^-4 |
| Fieldwork 2021 | Filter | Sawyer Squeeze | 6 | 4.27 | 3.76 × 10^-10 | 5.28 × 10^-12 | 1.99 × 10^-10 | 9.30 × 10^-10 | 5.07 × 10^-7 | 6.09 × 10^-9 | 2.70 × 10^-7 | 1.38 × 10^-6 | 2.55 × 10^-5 | 3.06 × 10^-7 | 1.36 × 10^-5 | 6.92 × 10^-5 |
| Fieldwork 2021 | Filter | Survivor Pro X | 1 | 3.26 | 1.18 × 10^-9 | 6.64 × 10^-10 | 1.14 × 10^-9 | 1.79 × 10^-9 | 1.64 × 10^-6 | 9.53 × 10^-7 | 1.64 × 10^-6 | 2.35 × 10^-6 | 8.24 × 10^-5 | 4.79 × 10^-5 | 8.24 × 10^-5 | 1.18 × 10^-4 |
| Fieldwork 2021 | Filter | Versa Flow | 1 | 5.69 | 5.00 × 10^-12 | 2.49 × 10^-12 | 5.51 × 10^-12 | 6.56 × 10^-12 | 6.15 × 10^-9 | 4.45 × 10^-9 | 5.37 × 10^-9 | 8.40 × 10^-9 | 3.09 × 10^-7 | 2.23 × 10^-7 | 2.70 × 10^-7 | 4.22 × 10^-7 |
| Manufacturer claim | UV | SteriPen | 5 | 3.00 | 2.14 × 10^-9 | 1.08 × 10^-9 | 1.88 × 10^-9 | 3.46 × 10^-9 | 2.79 × 10^-6 | 1.89 × 10^-6 | 2.74 × 10^-6 | 3.73 × 10^-6 | 1.40 × 10^-4 | 9.48 × 10^-5 | 1.38 × 10^-4 | 1.87 × 10^-4 |
| Manufacturer claim | Chemical | Aquatabs | 11 | 3.00 | 2.05 × 10^-9 | 9.07 × 10^-10 | 1.96 × 10^-9 | 3.13 × 10^-9 | 2.61 × 10^-6 | 1.75 × 10^-6 | 2.32 × 10^-6 | 3.68 × 10^-6 | 1.31 × 10^-4 | 8.78 × 10^-5 | 1.17 × 10^-4 | 1.85 × 10^-4 |
| Manufacturer claim | Chemical | Pristine Drops | 5 | 6.00 | 2.14 × 10^-12 | 1.06 × 10^-12 | 2.06 × 10^-12 | 3.12 × 10^-12 | 2.78 × 10^-9 | 1.92 × 10^-9 | 2.80 × 10^-9 | 3.57 × 10^-9 | 1.40 × 10^-7 | 9.66 × 10^-8 | 1.41 × 10^-7 | 1.79 × 10^-7 |
| Manufacturer claim | Filter | MSR Autoflow | 2 | 3.00 | 2.27 × 10^-9 | 9.86 × 10^-10 | 1.87 × 10^-9 | 3.85 × 10^-9 | 3.13 × 10^-6 | 2.03 × 10^-6 | 2.94 × 10^-6 | 4.64 × 10^-6 | 1.57 × 10^-4 | 1.02 × 10^-4 | 1.48 × 10^-4 | 2.33 × 10^-4 |
| Manufacturer claim | Filter | MSR Guardian | 1 | 3.00 | 2.95 × 10^-9 | 1.67 × 10^-9 | 3.25 × 10^-9 | 4.15 × 10^-9 | 3.72 × 10^-6 | 2.03 × 10^-6 | 3.35 × 10^-6 | 5.54 × 10^-6 | 1.87 × 10^-4 | 1.02 × 10^-4 | 1.68 × 10^-4 | 2.79 × 10^-4 |
| Manufacturer claim | Filter | MSR Hyperflow | 4 | 3.00 | 2.11 × 10^-9 | 1.16 × 10^-9 | 1.97 × 10^-9 | 3.20 × 10^-9 | 2.97 × 10^-6 | 1.94 × 10^-6 | 2.93 × 10^-6 | 3.87 × 10^-6 | 1.49 × 10^-4 | 9.74 × 10^-5 | 1.47 × 10^-4 | 1.95 × 10^-4 |
| Manufacturer claim | Filter | MSR Miniworks | 6 | 3.00 | 2.34 × 10^-9 | 1.09 × 10^-9 | 2.27 × 10^-9 | 3.81 × 10^-9 | 2.94 × 10^-6 | 1.84 × 10^-6 | 2.82 × 10^-6 | 3.98 × 10^-6 | 1.48 × 10^-4 | 9.23 × 10^-5 | 1.42 × 10^-4 | 2.00 × 10^-4 |
| Manufacturer claim | Filter | MSR Trailshot | 6 | 3.00 | 2.15 × 10^-9 | 9.89 × 10^-10 | 1.92 × 10^-9 | 3.69 × 10^-9 | 2.91 × 10^-6 | 1.79 × 10^-6 | 2.62 × 10^-6 | 4.48 × 10^-6 | 1.46 × 10^-4 | 8.99 × 10^-5 | 1.32 × 10^-4 | 2.25 × 10^-4 |
| Manufacturer claim | Filter | Grayl | 6 | 3.00 | 2.13 × 10^-9 | 1.10 × 10^-9 | 2.05 × 10^-9 | 3.28 × 10^-9 | 2.91 × 10^-6 | 1.75 × 10^-6 | 2.69 × 10^-6 | 4.11 × 10^-6 | 1.46 × 10^-4 | 8.80 × 10^-5 | 1.35 × 10^-4 | 2.07 × 10^-4 |
| Manufacturer claim | Filter | Katadyn Base Camp Pro, 10 L | 1 | 3.00 | 2.28 × 10^-9 | 1.07 × 10^-9 | 2.09 × 10^-9 | 3.72 × 10^-9 | 2.77 × 10^-6 | 1.95 × 10^-6 | 2.79 × 10^-6 | 3.51 × 10^-6 | 1.39 × 10^-4 | 9.82 × 10^-5 | 1.40 × 10^-4 | 1.76 × 10^-4 |
| Manufacturer claim | Filter | Katadyn BeFree | 20 | 3.00 | 2.08 × 10^-9 | 1.02 × 10^-9 | 1.95 × 10^-9 | 3.33 × 10^-9 | 2.83 × 10^-6 | 1.83 × 10^-6 | 2.59 × 10^-6 | 4.17 × 10^-6 | 1.42 × 10^-4 | 9.19 × 10^-5 | 1.30 × 10^-4 | 2.09 × 10^-4 |
| Manufacturer claim | Filter | Katadyn Hiker Pro | 4 | 3.00 | 2.06 × 10^-9 | 9.16 × 10^-10 | 1.92 × 10^-9 | 3.26 × 10^-9 | 2.79 × 10^-6 | 1.82 × 10^-6 | 2.65 × 10^-6 | 3.57 × 10^-6 | 1.40 × 10^-4 | 9.12 × 10^-5 | 1.33 × 10^-4 | 1.79 × 10^-4 |
| Manufacturer claim | Filter | Katadyn Vario | 3 | 3.00 | 2.21 × 10^-9 | 1.36 × 10^-9 | 2.17 × 10^-9 | 3.19 × 10^-9 | 2.79 × 10^-6 | 1.77 × 10^-6 | 2.54 × 10^-6 | 4.12 × 10^-6 | 1.40 × 10^-4 | 8.92 × 10^-5 | 1.28 × 10^-4 | 2.07 × 10^-4 |
| Manufacturer claim | Filter | Lifestraw Flex | 1 | 5.20 | 1.31 × 10^-11 | 5.63 × 10^-12 | 1.45 × 10^-11 | 1.73 × 10^-11 | 1.78 × 10^-8 | 1.36 × 10^-8 | 1.65 × 10^-8 | 2.26 × 10^-8 | 8.92 × 10^-7 | 6.83 × 10^-7 | 8.30 × 10^-7 | 1.13 × 10^-6 |
| Manufacturer claim | Filter | Miniwell L630 | 1 | 4.00 | 2.06 × 10^-10 | 1.29 × 10^-10 | 2.21 × 10^-10 | 2.76 × 10^-10 | 2.50 × 10^-7 | 1.70 × 10^-7 | 2.60 × 10^-7 | 3.63 × 10^-7 | 1.26 × 10^-5 | 8.56 × 10^-6 | 1.31 × 10^-5 | 1.82 × 10^-5 |
| Manufacturer claim | Filter | Platypus GravityWorks | 12 | 3.00 | 2.09 × 10^-9 | 1.09 × 10^-9 | 1.87 × 10^-9 | 3.24 × 10^-9 | 2.79 × 10^-6 | 1.84 × 10^-6 | 2.58 × 10^-6 | 3.79 × 10^-6 | 1.40 × 10^-4 | 9.23 × 10^-5 | 1.29 × 10^-4 | 1.91 × 10^-4 |
| Manufacturer claim | Filter | Pristine Filter | 1 | 4.00 | 2.78 × 10^-10 | 1.62 × 10^-10 | 2.51 × 10^-10 | 4.23 × 10^-10 | 3.11 × 10^-7 | 1.99 × 10^-7 | 3.52 × 10^-7 | 3.80 × 10^-7 | 1.56 × 10^-5 | 1.00 × 10^-5 | 1.77 × 10^-5 | 1.91 × 10^-5 |
| Manufacturer claim | Filter | Sawyer Micro Squeeze | 1 | 6.00 | 1.77 × 10^-12 | 1.04 × 10^-12 | 1.55 × 10^-12 | 2.80 × 10^-12 | 2.55 × 10^-9 | 2.00 × 10^-9 | 2.40 × 10^-9 | 3.11 × 10^-9 | 1.28 × 10^-7 | 1.00 × 10^-7 | 1.21 × 10^-7 | 1.57 × 10^-7 |
| Manufacturer claim | Filter | Sawyer Mini | 6 | 7.09 | 1.79 × 10^-13 | 8.31 × 10^-14 | 1.61 × 10^-13 | 3.27 × 10^-13 | 2.24 × 10^-10 | 1.45 × 10^-10 | 2.15 × 10^-10 | 3.19 × 10^-10 | 1.12 × 10^-8 | 7.28 × 10^-9 | 1.08 × 10^-8 | 1.60 × 10^-8 |
| Manufacturer claim | Filter | Sawyer Squeeze | 6 | 6.00 | 2.20 × 10^-12 | 1.19 × 10^-12 | 2.03 × 10^-12 | 3.68 × 10^-12 | 2.83 × 10^-9 | 1.88 × 10^-9 | 2.74 × 10^-9 | 4.01 × 10^-9 | 1.42 × 10^-7 | 9.43 × 10^-8 | 1.38 × 10^-7 | 2.01 × 10^-7 |
| Manufacturer claim | Filter | Survivor Pro X | 1 | 5.00 | 2.12 × 10^-11 | 1.20 × 10^-11 | 2.05 × 10^-11 | 3.23 × 10^-11 | 2.96 × 10^-8 | 1.72 × 10^-8 | 2.95 × 10^-8 | 4.24 × 10^-8 | 1.49 × 10^-6 | 8.63 × 10^-7 | 1.48 × 10^-6 | 2.13 × 10^-6 |
| Manufacturer claim | Filter | Versa Flow | 1 | 8.00 | 2.45 × 10^-14 | 1.22 × 10^-14 | 2.70 × 10^-14 | 3.21 × 10^-14 | 3.01 × 10^-11 | 2.18 × 10^-11 | 2.63 × 10^-11 | 4.12 × 10^-11 | 1.51 × 10^-9 | 1.09 × 10^-9 | 1.32 × 10^-9 | 2.07 × 10^-9 |
| Difference between field and manufacturer | UV | SteriPen | 5 | -0.33 | 1.50 × 10^-8 | -1.78 × 10^-9 | 8.18 × 10^-9 | 3.94 × 10^-8 | 2.05 × 10^-5 | -2.55 × 10^-6 | 1.25 × 10^-5 | 5.11 × 10^-5 | 1.03 × 10^-3 | -1.28 × 10^-4 | 6.29 × 10^-4 | 2.57 × 10^-3 |
| Difference between field and manufacturer | Chemical | Aquatabs | 11 | 0.09 | 8.29 × 10^-9 | -2.12 × 10^-9 | 9.40 × 10^-10 | 3.86 × 10^-8 | 1.04 × 10^-5 | -2.56 × 10^-6 | 1.03 × 10^-6 | 4.25 × 10^-5 | 5.25 × 10^-4 | -1.28 × 10^-4 | 5.19 × 10^-5 | 2.13 × 10^-3 |
| Difference between field and manufacturer | Chemical | Pristine Drops | 5 | -4.21 | 5.11 × 10^-8 | 1.21 × 10^-8 | 2.83 × 10^-8 | 1.43 × 10^-7 | 6.51 × 10^-5 | 1.69 × 10^-5 | 3.97 × 10^-5 | 1.79 × 10^-4 | 3.27 × 10^-3 | 8.48 × 10^-4 | 2.00 × 10^-3 | 9.02 × 10^-3 |
| Difference between field and manufacturer | Filter | MSR Autoflow | 2 | 2.08 | -2.21 × 10^-9 | -3.82 × 10^-9 | -1.82 × 10^-9 | -9.81 × 10^-10 | -3.05 × 10^-6 | -4.43 × 10^-6 | -2.94 × 10^-6 | -1.93 × 10^-6 | -1.53 × 10^-4 | -2.23 × 10^-4 | -1.48 × 10^-4 | -9.72 × 10^-5 |
| Difference between field and manufacturer | Filter | MSR Guardian | 1 | 0.70 | -2.36 × 10^-9 | -3.32 × 10^-9 | -2.60 × 10^-9 | -1.33 × 10^-9 | -2.97 × 10^-6 | -4.43 × 10^-6 | -2.68 × 10^-6 | -1.62 × 10^-6 | -1.49 × 10^-4 | -2.23 × 10^-4 | -1.35 × 10^-4 | -8.16 × 10^-5 |
| Difference between field and manufacturer | Filter | MSR Hyperflow | 4 | 0.26 | 3.16 × 10^-9 | -2.48 × 10^-9 | 7.38 × 10^-10 | 1.38 × 10^-8 | 4.52 × 10^-6 | -3.37 × 10^-6 | 7.65 × 10^-7 | 2.00 × 10^-5 | 2.27 × 10^-4 | -1.69 × 10^-4 | 3.85 × 10^-5 | 1.01 × 10^-3 |
| Difference between field and manufacturer | Filter | MSR Miniworks | 6 | 0.80 | 3.22 × 10^-10 | -3.16 × 10^-9 | -1.29 × 10^-9 | 8.02 × 10^-9 | 3.38 × 10^-7 | -3.55 × 10^-6 | -2.11 × 10^-6 | 1.16 × 10^-5 | 1.70 × 10^-5 | -1.78 × 10^-4 | -1.06 × 10^-4 | 5.83 × 10^-4 |
| Difference between field and manufacturer | Filter | MSR Trailshot | 6 | 1.43 | -1.87 × 10^-9 | -2.92 × 10^-9 | -1.75 × 10^-9 | -8.39 × 10^-10 | -2.53 × 10^-6 | -3.99 × 10^-6 | -2.24 × 10^-6 | -1.51 × 10^-6 | -1.27 × 10^-4 | -2.00 × 10^-4 | -1.12 × 10^-4 | -7.59 × 10^-5 |
| Difference between field and manufacturer | Filter | Grayl | 6 | 0.26 | 1.06 × 10^-7 | -2.57 × 10^-9 | -3.62 × 10^-10 | 5.03 × 10^-7 | 1.55 × 10^-4 | -3.18 × 10^-6 | -6.85 × 10^-7 | 8.93 × 10^-4 | 7.78 × 10^-3 | -1.60 × 10^-4 | -3.44 × 10^-5 | 4.49 × 10^-2 |
| Difference between field and manufacturer | Filter | Katadyn Base Camp Pro, 10 L | 1 | 1.86 | -2.25 × 10^-9 | -3.67 × 10^-9 | -2.06 × 10^-9 | -1.06 × 10^-9 | -2.74 × 10^-6 | -3.46 × 10^-6 | -2.75 × 10^-6 | -1.93 × 10^-6 | -1.37 × 10^-4 | -1.74 × 10^-4 | -1.38 × 10^-4 | -9.68 × 10^-5 |
| Difference between field and manufacturer | Filter | Katadyn BeFree | 20 | 1.17 | -1.53 × 10^-9 | -2.91 × 10^-9 | -1.51 × 10^-9 | 0.00 | -2.11 × 10^-6 | -3.64 × 10^-6 | -2.12 × 10^-6 | 0.00 | -1.06 × 10^-4 | -1.83 × 10^-4 | -1.07 × 10^-4 | 0.00 |
| Difference between field and manufacturer | Filter | Katadyn Hiker Pro | 4 | 1.27 | -1.11 × 10^-9 | -3.06 × 10^-9 | -4.08 × 10^-10 | 0.00 | -1.55 × 10^-6 | -3.56 × 10^-6 | -8.19 × 10^-7 | 0.00 | -7.76 × 10^-5 | -1.79 × 10^-4 | -4.11 × 10^-5 | 0.00 |
| Difference between field and manufacturer | Filter | Katadyn Vario | 3 | -0.14 | 2.30 × 10^-9 | -1.45 × 10^-9 | 2.99 × 10^-9 | 5.86 × 10^-9 | 2.95 × 10^-6 | -1.87 × 10^-6 | 3.67 × 10^-6 | 6.67 × 10^-6 | 1.48 × 10^-4 | -9.39 × 10^-5 | 1.84 × 10^-4 | 3.35 × 10^-4 |
| Difference between field and manufacturer | Filter | Lifestraw Flex | 1 | -1.12 | 1.60 × 10^-10 | 6.87 × 10^-11 | 1.76 × 10^-10 | 2.11 × 10^-10 | 2.17 × 10^-7 | 1.66 × 10^-7 | 2.02 × 10^-7 | 2.76 × 10^-7 | 1.09 × 10^-5 | 8.34 × 10^-6 | 1.01 × 10^-5 | 1.38 × 10^-5 |
| Difference between field and manufacturer | Filter | Miniwell L630 | 1 | -0.22 | 1.37 × 10^-10 | 8.59 × 10^-11 | 1.47 × 10^-10 | 1.84 × 10^-10 | 1.67 × 10^-7 | 1.14 × 10^-7 | 1.74 × 10^-7 | 2.42 × 10^-7 | 8.38 × 10^-6 | 5.71 × 10^-6 | 8.73 × 10^-6 | 1.22 × 10^-5 |
| Difference between field and manufacturer | Filter | Platypus GravityWorks | 12 | 1.50 | -1.92 × 10^-10 | -2.95 × 10^-9 | -1.52 × 10^-9 | 2.50 × 10^-9 | -4.51 × 10^-7 | -3.66 × 10^-6 | -2.37 × 10^-6 | 3.02 × 10^-6 | -2.26 × 10^-5 | -1.84 × 10^-4 | -1.19 × 10^-4 | 1.52 × 10^-4 |
| Difference between field and manufacturer | Filter | Pristine Filter | 1 | 1.39 | -2.66 × 10^-10 | -4.06 × 10^-10 | -2.41 × 10^-10 | -1.56 × 10^-10 | -2.98 × 10^-7 | -3.64 × 10^-7 | -3.37 × 10^-7 | -1.91 × 10^-7 | -1.50 × 10^-5 | -1.83 × 10^-5 | -1.70 × 10^-5 | -9.60 × 10^-6 |
| Difference between field and manufacturer | Filter | Sawyer Micro Squeeze | 1 | -1.70 | 8.67 × 10^-11 | 5.09 × 10^-11 | 7.59 × 10^-11 | 1.37 × 10^-10 | 1.25 × 10^-7 | 9.80 × 10^-8 | 1.18 × 10^-7 | 1.53 × 10^-7 | 6.28 × 10^-6 | 4.92 × 10^-6 | 5.91 × 10^-6 | 7.67 × 10^-6 |
| Difference between field and manufacturer | Filter | Sawyer Mini | 6 | -2.64 | 1.12 × 10^-9 | 3.87 × 10^-12 | 4.82 × 10^-11 | 5.25 × 10^-9 | 1.38 × 10^-6 | 6.08 × 10^-9 | 6.89 × 10^-8 | 5.43 × 10^-6 | 6.94 × 10^-5 | 3.05 × 10^-7 | 3.46 × 10^-6 | 2.73 × 10^-4 |
| Difference between field and manufacturer | Filter | Sawyer Squeeze | 6 | -1.73 | 3.74 × 10^-10 | 2.69 × 10^-12 | 1.97 × 10^-10 | 9.28 × 10^-10 | 5.04 × 10^-7 | 3.10 × 10^-9 | 2.68 × 10^-7 | 1.37 × 10^-6 | 2.53 × 10^-5 | 1.56 × 10^-7 | 1.35 × 10^-5 | 6.91 × 10^-5 |
| Difference between field and manufacturer | Filter | Survivor Pro X | 1 | -1.74 | 1.16 × 10^-9 | 6.52 × 10^-10 | 1.12 × 10^-9 | 1.76 × 10^-9 | 1.61 × 10^-6 | 9.36 × 10^-7 | 1.61 × 10^-6 | 2.31 × 10^-6 | 8.10 × 10^-5 | 4.70 × 10^-5 | 8.09 × 10^-5 | 1.16 × 10^-4 |
| Difference between field and manufacturer | Filter | Versa Flow | 1 | -2.31 | 4.97 × 10^-12 | 2.48 × 10^-12 | 5.48 × 10^-12 | 6.52 × 10^-12 | 6.12 × 10^-9 | 4.42 × 10^-9 | 5.34 × 10^-9 | 8.36 × 10^-9 | 3.07 × 10^-7 | 2.22 × 10^-7 | 2.68 × 10^-7 | 4.20 × 10^-7 |