

REVERSE OSMOSIS LAB TEST REPORT



Questions? Reach out to us @
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| Project | RO Efficiency and life span test | | | | Test Settings | Water efficiency spiking solution | | | | Test Duration | Start: | 20230328 | End: | 20230330 | |
|---------------------|----------------------------------|-------------------|------------------------------|-------------------------|----------------------------------|---|-----------|---------------------|---------------------------|----------------------|------------------|-------------------------|-------------------------|---------------------|-------------------|
| Equipment | URO-T05, 800GPD RO System | | | | Configuration | PCT Pre + Post Carbron Filter + 800G RO Membrane + QS0565F-700 Pump (> 3.3L/101.52 PSI) + 800CC waste water valve | | | | | | | | | |
| Date & Time of Test | Feed Water Pressure (Psi) | Water Temp (°C) | Water Temp Correction factor | Membrane Pressure (Psi) | TDS Value (PPM) | | | Salt Rejection Rate | Production Capacity (ml) | | | Total Water Output (ml) | Water Recovery Rate (%) | Production Capacity | Total Treated (L) |
| | | | | | Feed Water with Spiking Solution | Purified | TDS water | | Purified @ room temp (ml) | Purified @ 25°C (ml) | Waste Water (ml) | | | | |
| 20230328 | | | | | | | | | | | | | | | |
| 10:10 | 29 | 22.7 | 1.089 | 107 | 513 | 28 | 1680 | 94.54% | 2360 | 2570 | 997 | 3567 | 72.05% | 978 | Initial |
| 16:30 | 29 | 23.7 | 1.049 | 110 | 509 | 23 | 1680 | 95.48% | 2360 | 2476 | 1010 | 3486 | 71.02% | 942 | 897L |
| 20230329 | | | | | | | | | | | | | | | |
| 8:10 | 29 | 24.3 | 1.026 | 110 | 520 | 21 | 1690 | 95.96% | 2311 | 2371 | 1012 | 3383 | 70.09% | 902 | 3046L |
| 17:00 | 29 | 24.7 | 1.011 | 110 | 527 | 21 | 1700 | 96.02% | 2282 | 2307 | 1017 | 3324 | 69.41% | 878 | 4254L |
| 20230330 | | | | | | | | | | | | | | | |
| 8:00 | 29 | 24.7 | 1.011 | 0.77 | 527 | 21 | 1690 | 96.02% | 2263 | 2288 | 1016 | 3304 | 69.25% | 870 | 6290L |
| 16:00 | 29 | 24.5 | 1.019 | 0.79 | 523 | 21 | 1590 | 95.98% | 2252 | 2295 | 1013 | 3308 | 69.38% | 873 | 7370L |