

FAIREY INDUSTRIAL CERAMICS LABORATORY

Lymedale Cross Industrial, Lower Milehouse Lane, Staffs ST5 9BT
PHONE 1782-66-44-20 EPA EST No. 69096-GBR-001

FILTER WATER TEST REPORT

Report # TRN 6751 (British Berkefeld Ultra Fluoride)

Report Date: 05/11/2021

Customer Name: Doulton Water Filters

Product: British Berkefeld Gravity Filter with post filter

Volume Tested: 100 gallons

Flushing Volume: 1 gallon

Test Description:

Doulton Ultra Fluoride Filter candle tested using an accelerated protocol under pressure, at a flow rate of 0.5LPM and sampling points under gravity with a 3-4 ppm nominal influent fluoride concentration, results are reported in table 1.

Table 1.

USG capacity	Influent Challenge (ppm)	Ultra Fluoride Effluent (ppm)	% Ultra Fluoride Efficiency 3-4ppm challenge
10 gallons	3.839	0.135	96.5
25 gallons	3.917	0.443	88.7
50 gallons	3.984	0.476	88.1
75 gallons	4.327	0.755	82.6
100 gallons	4.119	0.530	87.1

Discussion of Results:

When tested to 100USG with an average 3.92 ppm fluoride challenge using an accelerated test protocol the Ultra Fluoride candles provided an average of 88.6 % reduction.

Joy Delaney

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Technical Director