



Quality Driven technical excellence

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The Kelkar Education Trust's  
**SCIENTIFIC RESEARCH CENTRE**

- DSIR Approved Research Centre
- FDA Approved Public Testing Laboratory for Cosmetics

Test Report SRC/MIC/12-47

**Efficacy of Veg wash on vegetables washing**

**Sponsor:** Autodynamic engineering

**Test substance:** 1. Veg wash solution.

**Study started on:** 1.12.12

**Study completed on:** 3-12-12

Data and Observations.

Sample	PDA					TSA				
	10 <sup>0</sup>	10 <sup>1</sup>	10 <sup>2</sup>	10 <sup>3</sup>	10 <sup>4</sup>	10 <sup>0</sup>	10 <sup>1</sup>	10 <sup>2</sup>	10 <sup>3</sup>	10 <sup>4</sup>
Tomato (Water)	62	3	0	0	0	TNTC	56	4	3	0
TVC obtained after washing with plain water-3.38 x 10 <sup>3</sup> cfu/ml										
Tomato (Veg Wash)	TNTC	44	10	1	1	TNTC	89	16	2	0
TVC obtained after washing with Veg wash-6.65x10 <sup>3</sup> cfu/ml										
Lady Finger (Water)	TNTC	TNTC	73	5	1	TNTC	TNTC	160	29	6
TVC obtained after washing with plain water-1.16x10 <sup>5</sup> cfu/ml										
Lady Finger (Veg Wash)	TNTC	TNTC	TNTC	36	7	TNTC	TNTC	TNTC	65	12
TVC obtained after washing with Veg wash -5.05x10 <sup>5</sup> cfu/ml										
Fenugreek Leaves (Water)	TNTC	TNTC	TNTC	39	3	TNTC	TNTC	TNTC	88	30
TVC obtained after washing with plain water-6.35x10 <sup>5</sup> cfu/ml										
Fenugreek Leaves (Veg Wash)	TNTC	TNTC	TNTC	108	18	TNTC	TNTC	TNTC	TNTC	38
TVC obtained after washing with Veg wash-2.44x10 <sup>6</sup> cfu/ml										

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Vegetables used	Microbial load after water wash (cfu/ml)	Microbial load after Veg wash (cfu/ml)
Tomatoes	$3.38 \times 10^3$	$6.65 \times 10^3$
Lady finger	$1.16 \times 10^5$	$5.05 \times 10^5$
Fenugreek leaves	$6.35 \times 10^5$	$2.44 \times 10^6$

Results and Conclusion-

Veg wash is effective than water washing, since it can remove more microbial load from the vegetables compared to that when washed with plain water.



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