

Report on Verification of the cleaning ability of Biocera WashingBall

(Part 2)

The Hong Kong Polytechnic University was commissioned by Well-Tec Enterprises Limited to test the cleaning ability of Biocera Washing Ball during 06 February to 11 February 2009. The tested items and result details were shown as follow:

Methodology

- (1) Ability of Biocera washing ball in removing smell
- (2) Softener ability of Biocera washing ball

Results:

(1) Ability of Biocera washing ball in removing smell.

A panel of 10 people determined the remain of diluted butyric acid(1.5%) smell (mimicking unpleasant vomit smell) on towel after washing using 1 type of Biocera washing balls and a commercial washing powder (FAB).

“-1” means: still have diluted butyric acid odour remained on towels

“0” means: felt the odour remained on the towels is similar with the control towels which washed with water only.

“1” means: no diluted butyric acid odour remained on towels

Table 1: Biocera Washing Ball (Normal Style) for odour test:

	Any diluted butyric acid odour remained on towels?		
	Ball-O1-2	Ball-O2-3	Ball-O3-1
1	1	0	1
2	1	-1	0
3	1	1	1
4	0	1	1
5	0	0	0
6	1	1	1
7	0	1	0
8	1	-1	1
9	1	0	1
10	1	1	1
Total Score	7	3	7
Average Score	5.66		

Table 2: Washing Powder for odour test:

	Any diluted butyric acid odour remained on towels?		
	Powder-O1-1	Powder-O2-2	Powder-O3-3
1	1	0	0
2	-1	1	-1
3	1	-1	0
4	0	1	1
5	1	0	-1
6	1	1	1
7	1	-1	-1
8	1	0	-1
9	1	1	-1
10	1	1	0
Total Score	7	3	-3
Average Score	2.33		

Comments:

	Performance on removal of diluted butyric acid
Washing powder	poorer
Biocera Washing Ball (Normal Style)	Better

(2) The ability of fabric softening by Biocera washing ball

A panel of 10 people determined the softness of cotton towel after washing using 1 type of Biocera washing balls and a commercial softening agent (Comfort).

“-1” means: the softness of towels is not as good as the control towel

“0” means: the softness of a towel is similar with the control towel

“1” means: the softness of towels is better than the control towel

Table 1: Biocera Washing Ball (Normal Style) for softness test:

	Softness of towels		
	Ball-S1-3	Ball-S2-1	Ball-S3-2
1	0	0	1
2	1	1	0
3	0	1	1
4	0	0	0
5	0	1	1
6	1	1	1
7	0	0	1
8	0	0	1
9	-1	-1	1
10	1	-1	1
Total Score	2	2	8
Average Score	4.00		

Table 2: Commercial softening agent (Comfort) for softness test:

	Softness of towels		
	Comfort-S1-1	Comfort-S2-2	Comfort-S3-3
1	1	1	1
2	0	0	-1
3	1	1	1
4	-1	1	1
5	1	1	1
6	1	1	1
7	1	1	-1
8	1	1	1
9	1	1	1
10	1	1	1
Total Score	7	9	6
Average Score	7.33		

Comments:

	Performance on retaining towel softness
Comfort detergent	Better
Biocera Washing Ball (Normal Style)	Better

Disclaimer:

The set of analysis result presented here in this report are prepared to the best of Applied Biology and Chemical Technology Department's knowledge and integrity. Under no circumstances shall this report constitute any recommendation or endorsement of the product tested. Moreover, the results are based on the sample provided by the client and does not constitute the same results for other product batches not tested hereunder.

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