



South Asia

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**Test Report No.GGN/F(C/M)/13/002031**  
**Dated 03/08/2013**

**Issued to** : **KENT RO SYSTEMS LTD.**  
A-2, Sector 59, NOIDA – 201 309

**Attention** : Mr. Dinesh Garg

**Customer Ref. No.** : Invoice No. OSM 13000525, Dated 13/07/2013

**Sample Particulars**

**Sample Name** : Kent Pearl (Mineral RO Water Purifier)

**Sample Description** : Item code-1051

**Batch No. / Lot No. & Manufacturing Date, Best before Date** : S/N-KR130717607

**Sample Package & Quantity** : Tradepack & 1 No.

**Sampled by** : Collected by Representative of TUV SUD South Asia Pvt. Ltd.

**Sampling Protocol** : NA

**Sample Condition** : Sample received in ambient condition

**Date of Sample Receipt** : Received on 16/07/2013 11: 27 am

**Date of Analysis** : 16/07/2013

**Date of Completion** : 01/08/2013

*Note : The submitted water purifier is Collected by the Laboratory*

Namrata Gupta  
Report Reviewer

Authorised By

Dr. Sumant Nayak  
Sr. Lab. Manager-Food Testing

**Note: The test report is electronically generated. Hence original signature is not required. For any technical query, please contact Dr. Sumant Nayak at [sumant.nayak@tuv-sud.in](mailto:sumant.nayak@tuv-sud.in) and for any complaint please contact Kanupriya at [kanupriya@tuv-sud.in](mailto:kanupriya@tuv-sud.in).**

Note: (1) General Terms & Conditions as mentioned overleaf, (2) The results relate only to the items tested, (3) the test report shall not be reproduced except in full without the written approval of the laboratory

Laboratory:  
TUV SUD South Asia Pvt. Ltd.  
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ControlNo:15390250.220513.007

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S. No.	TEST PARAMETER	TEST RESULTS		TEST METHOD
		INLET WATER	OUTLET WATER	
<b>A</b>	<b>TDS Reduction Claim</b>			
1	Total Dissolved Solids, mg/L	1983.0	139.0	IS:3025 (Part 16)-1984
<b>B</b>	<b>Chemical Inorganic Reduction Claim</b>			
1	Nitrate as NO <sub>3</sub> , mg/L	44.92	3.99	IS:3025 (Part 34)-1988
2	Fluoride as F, mg/L	1.4	0.1	IS:3025 - 1964
3**	Arsenic as As, mg/L	0.05	Below Detection Limit (DL-0.005 mg/L)	IS:3025 (Part 37)-1988
4**	Cadmium as Cd, mg/L	0.003	Below Detection Limit (DL - 0.003 mg/L)	IS:3025 (Part 41)-1992
5**	Copper as Cu, mg/L	0.05	Below Detection Limit (DL-0.01 mg/L)	IS:3025 (Part 42)-1992
6**	Lead as Pb, mg/L	0.01	Below Detection Limit (DL-0.005 mg/L)	IS:3025 (Part 47)-1994
7**	Mercury as Hg, mg/L	0.001	Below Detection Limit (DL-0.001 mg/L)	IS:3025 (Part 48)-1994
8**	Chromium as Cr, mg/L	0.05	Below Detection Limit (DL-0.01 mg/L)	IS:3025 (Part 52)-2003
<b>C</b>	<b>Pesticide Residues Reduction Claim</b>			
1**	Malathion, µg/L	190.0	Below Limit of Quantification (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
2**	Lindane, µg/L	2.0	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
3**	Chlorpyrifos, µg/L	30.0	0.078	APHA, 21 <sup>st</sup> Edition
4**	Sum of o,p DDT & p,p-DDT, µg/L	1.0	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition

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S. No.	TEST PARAMETER	TEST RESULTS		TEST METHOD
		INLET WATER	OUTLET WATER	
<b>D</b>	<b><i>Poly-aromatic Hydrocarbons Reduction Claim</i></b>			
1**	Naphthalene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
2**	Acy-naphthalene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
3**	Ace-naphthene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
4**	Fluorene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
5**	Phenanthrene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
6**	Anthracene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
7**	Fluoranthrene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
8**	Pyrene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
9**	Benz(a)anthracene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
10**	Phrysene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
11**	Benzo(p) fluoranthrene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
12**	Benzo(k) fluoranthrene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
13**	Benzo(a) pyrene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
14**	Indo1,2,3 (c,d)pyrene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
15**	Benzo(g,h,i)perylene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition
16**	Di-benz(a,h)anthracene, µg/L	0.3	Not Detected (LOQ-0.01 µg/L)	APHA, 21 <sup>st</sup> Edition

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S. No.	TEST PARAMETER	TEST RESULTS		TEST METHOD
		INLET WATER	OUTLET WATER	
<b>E</b>	<b>Microbial Contaminants Reduction Claim</b>			
1	Coliform Count, MPN/100ml	>1600	<1.8	APHA - 9221
2	<i>E. coli</i> , cfu/ml	1.1 x10 <sup>7</sup>	<1	IS:5402 - 2012
3	Faecal Streptococci, in 250ml	Detected	Not Detected	IS:15186 - 2002
4	<i>Staphylococcus aureus</i> , in 250ml	Detected	Not Detected	IS:5887(Part 2)-1976 (Reaffirmed 2005)
5	<i>Pseudomonas aeruginosa</i> , in 250ml	Detected	Not Detected	IS:13428-2005
6	Yeast Mould, in 250ml	Detected	Not Detected	IS:5403-1999 (Reaffirmed 2005)
7	<i>Salmonella</i> , in 250ml	Detected	Not Detected	IS:5887 (Part 3)-1999 (Reaffirmed 2005)
8	<i>Shigella</i> , in 250ml	Detected	Not Detected	IS:5887 (Part 7)-1999 (Reaffirmed 2005)
9	<i>Vibrio cholerae</i> , in 250ml	Detected	Not Detected	IS:5887 (Part 5)-1976 (Reaffirmed 2005)

**Note:** The \*\* marked tests are subcontracted to other TUV SUD Lab. LOQ-Limit of Quantification

The outlet water used for analysis was prepared by passing inlet demineralised water (spiked with above chemical & microbial agents beyond permissible limits) through submitted water purifier sample.

**Remarks:** The outlet water of submitted Kent Pearl Water Purifier complies with the requirement of IS: 10500-2012 for Drinking water with respect to above test parameters only.

Authorized By

Authorized By

Neha Sharma  
(Chemical)

Jyoti Singh  
(Microbiology)

- END OF TEST REPORT-