

Review Group Membership

MaHTAS Reviewer:

Syful Azlie Md Fuzi
Dr. Junainah Sabirin
Datin Dr. Rugayah Bakri

External Reviewer:

Disclaimer:

Technology review is a brief report, prepared on an urgent basis, which draws on restricted reviews from analysis of pertinent literature, on expert opinion and / or regulatory status where appropriate. It is subjected to an external review process. While effort has been made to do so, this document may not fully reflect all scientific research available. Additionally, other relevant scientific findings may have been reported since completion of this review.

For further information please contact:

Health Technology Assessment
Section (MaHTAS)
Medical Development Division
Ministry of Health Malaysia
Level 4, Block E1, Precinct 1
Government Office Complex
62590 Putrajaya.

Tel: 603 8883 1246

Fax: 603 8883 1230

Available at the following website:
<http://www.moh.gov.my>

Introduction

██████████ is the top consumer and household electronics company in Korea since 1989, and was introduced to the Malaysian market in 2006. The company has extended its product line-up from water filtration appliances to air purifiers, bidets, water softeners and food waste disposers. ██████████ water purifier system is claimed to be the most advanced water purifier in the market using modern technology and excellent designs. It uses a reverse osmosis (RO) filtration technology with 0.0001 micron purified, ensure clean and healthy water.

Objective/Aim

The objective of this technology review was to assess the safety, effectiveness and cost-effectiveness of ██████████ water purifier system for drinking water in Ministry of Health facilities.

Results and Conclusions

There was no retrievable information on US FDA approval or CE mark for ██████████ water purifier system for drinking water. However, the company claimed that their products had approval from SIRIM and Suruhanjaya Tenaga (Energy Commission) but no certificate was included. There was also no retrievable evidence on the adverse events related to the use of this product from the available scientific databases. There was no retrievable evidence on the effectiveness and cost-effectiveness of ██████████ water purifier system for drinking water although it used RO filtration technology. The company claimed that the cost for ██████████ water purifier system is approximately between RM ██████████ to RM ██████████ depending on product range.

Methods

Electronic databases were searched, which included PubMed, Medline, Journal @ Ovid full text via OVID, OVID EBM Reviews - Cochrane central register of controlled trials, EBM Reviews - Cochrane database of systematic review, Horizon scanning databases - Centre, Birmingham, Australia and New Zealand Horizon scanning (ANZHSN), FDA website, MHRA website and from non scientific database - Google search engine. In addition, a cross-referencing of the articles retrieved was also carried out accordingly to the topic. Relevant articles were critically appraised and evidence graded using US / Canadian Preventive Services Task Force.