TITLE

RADIATION DETECTION TEST ON BIOWAVE FILTER

OBJECTIVE

The objective of this test is to provide information on radiation safety of Biowave Filter.

TEST FACILITY

Lynas Malaysia Sdn. Bhd.

Administration Building, Gate 2, Gebeng Industrial Estate, Kuantan, Pahang, Malaysia.

TEAM MEMBERS

Test Personnel: Mohd Sukri Yaakub, Environmental Specialist of Lynas Malaysia Sdn. Bhd.

Witnessed By: Leong Man Loong, SHEPROS Sdn. Bhd.

TEST SAMPLE

Biowave Filter with a size of 325 mm x 385 mm x 14 mm filled with compounded mineral granular.

BIOWAVE FILTER TEST SAMPLE

METHODOLOGY OF THE STUDY

A portable unit of Radiation Detector (Mini Trace CSDF, SAPHYMO) was used to test the radiation emission of the test sample. The steps of the radiation measurement are as below:

1. The Radiation Detector was set "ON" to detect the ambient radiation reading. Record the reading in micro-Sievert/hour (µSv/h).

2. Put the Radiation Detector on top of the test sample, detect and record the radiation reading.

3. Make a comparison of radiation reading between ambient and test sample.

RESULTS

Radiation Environment Exposure	Radiation Detector Reading
Ambient (Lynas' office reception area)	0.15 µSv/h
Biowave Filter	0.15 µSv/h

Test of radiation in ambient surrounding (0.15 µSv/h)

SHEPROS®

Safety, Health & Environment Product Solutions

RADIATION TEST OF BIOWAVE

AUGUST 15, 2013

Test of radiation on Biowave Filter (0.15 µSv/h)

CONCLUSION

There was no radiation emitted from Biowave Filter. The radiation detector showed 0.15 µSv/h for both ambient and Biowave Filter.

Approved and Witnessed By:

Leong Man Loong