

## LEMBAGA GETAH MALAYSIA MALAYSIAN RUBBER BOARD



### RUBBER RESEARCH INSTITUTE OF MALAYSIA

Unit Pencirian Bahan

260 Jalan Ampang, 50450 Kuala Lumpur. Peti Surat 10150, 50908 Kuala Lumpur, Malaysia. Tel: (6)03-92062000, 92063677 Fax: (6)03-42519213 Email: upbac@lgm.gov.my MS ISO/IEC 17025 TESTING SAMM NO.069

Our report no.

: LGM/BTK/UPB/5.10/CP/1504/0204

Your reference

ECO Medi Glove Sdn. Bhd Cheong Kin Fu Lot 23836, Jalan Tembaga Kuning Kamunting Raya Industrial Estate 34600 Taiping Perak

Fax No.: 05-891 2999

#### ANALYTICAL RESULT

We have received one sample from you under covering letter dated as per your request. The results are reported below.

6/04/2015

. The sample was analyzed

Sample Description

: Powder Free Finger Texture Nitrile Exam

ot No

15A6YPF3.4NC-FTCFM032711

D2-EE

Date Received

08/04/2015

Glove

Size

: Medium

Date	Received . 00/04/2015	OIZC	. Wicalam	
No.	Chemical Test	Results	Test Method	Date Tested
1	Butylated Hydroxyanisole (BHA) (ug/g)	ND	UPB In House*	24/4/15
2	Butylated hydroxytoluene (BHT) (ug/g)	ND	UPB In House*	24/4/15
3	Diphenyl Thiourea (DPT) (ug/g)	ND	UPB In House*	24/4/15
4	Mercaptobenzothiazole (MBT) (ug/g)	ND	UPB/P/003a	24/4/15
5	Tetramethylthiuram disulphide (TMTD) (ug/g)	ND	UPB In House*	24/4/15
6	Zinc dibutyldithiocarbamate (ZDBC) (ug/g)	ND	UPB/P/003a	24/4/15
7	Zinc diethyldithiocarbamate (ZDEC) (ug/g)	ND	UPB/P/003a	24/4/15
8	Zinc dimethyldithiocarbamate (ZDMC) (ug/g)	ND	UPB In House*	24/4/15
9	Zinc mercaptobenzimidazole (ZMBI) (ug/g)	ND	UPB In House*	24/4/15
10	Zinc Mercaptobenzothiazole (ZMBT) (ug/g)	ND	UPB In House*	24/4/15
11	Zinc pentamethylenedithiocarbamate(ZPMC) (ug/g)	ND	UPB/P/003a	24/4/15

5 grams of the sample was extracted in 100ml boiling deionized water for one hour. The water extract was then gone through liquid-liquid extraction by using methylene chloride. The extracted chemicals were individually determined via HPLC by comparing them to authentic reference material. The limits of detection are 2  $\mu$ g/g for ZDEC and 10  $\mu$ g/g for TMTD, MBT, ZDMC, ZPMC, ZDBC, ZMBI, ZMBT, BHT, BHA and DPT. Chemical determined as ND is either not present or the concentration is below the detectable limit.

#### Note

\*- SAMM Accreditation being sought

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# **STANDARD**

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MS ISO/IEC 17025 TESTING SAMM NO.069

Our report no. : LGM/BTK/UPB/5.10/CP/1504/0204

"BERKHIDMAT UNTUK NEGARA"

Dr Rosmahani Che Isa (IKM NO: A3199/6002/11)

Research Officer Malaysian Rubber Board For Director-General

Date of reporting 24 April 2015

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The uncertainties are for a confidence probability of no less than 95%

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