

Schedule

Cosmetic Laboratory
Pharmaceutical Division
Applied Sciences Group
Health Sciences Authority
11 Outram Road
Singapore 169078

Certificate No. : LA-2001-0210-A
(Part 4 of 4)

Issue No. : 18

Date : 4 July 2018

Page : 1 of 4

FIELD OF TESTING : Chemical and Biological Testing

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
A Cosmetic Products	1. Identification and Screening of Colourants* in Cosmetic Products	Thin Layer Chromatography (TLC) In-house method AM3
i. Eye Make-Up	*CI12075, CI45170, CI10020, CI11680, CI14600, CI14700, CI15620, CI16150, CI16155, CI18820, CI20470, CI45190, CI47000, CI13065, CI45170:1, CI45160, CI11855, CI61554, CI62015, CI15800, CI60700, CI42555, CI10316, CI59040, CI60730, CI61505	High Performance Liquid Chromatography-Diode Array Detector (HPLC-DAD) In-house method AM4 & AM27
ii. Face Make-Up		
iii. Hair-Care Products		
iv. Lip Products		
v. Skin-Care Products		
	2. Identification and Determination of Retinoic Acid (Tretinoin) in Cosmetic Products	Thin Layer Chromatography (TLC) and High Performance Liquid Chromatography (HPLC) (Qualitative) ACM SIN01
	3. Determination of Heavy Metals (Arsenic, Cadmium, Lead, Thallium, Copper, Chromium and Neodymium) in Cosmetic Products	Inductively Coupled Plasma Mass Spectrometry (ICPMS) In-house method AM19
	4. Analysis of Para Red, Sudan I, Sudan II, Sudan III and Sudan IV in Cosmetic Products	High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM20
	5. Determination of Mercury in Cosmetic Products	Inductively Coupled Plasma Mass Spectrometry (ICPMS) In-house method AM22

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(Part 4 of 4)

Issue No. : 18

Date : 4 July 2018

Page : 2 of 4

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	6. Screening of Common Adulterants (Western Drugs) in Cosmetic Products	Gas Chromatography – Mass Spectrometry (GC-MS) and High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM23
	7. Determination of Formaldehyde in Hair and Body Care Products	High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM24
	8. Identification of Acrylamide in Cosmetic Products	Liquid Chromatography-Tandem Mass Spectrometry (LC/MS/MS) In-house method AM32
B Talcum Powder	1. Identification and Determination of Hexachlorophene in Cosmetic Products	Thin Layer Chromatography (TLC) & Ultra-Violet Spectrometry (UV) In-house method AM9 High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM10
C Eye Make-Up and Skin Care Products	1. Identification and Determination of Boric Acid in Cosmetic Products	Colour In-house method AM1 Titration In-house method AM2
D Cosmetic Products	1. Identification and Determination of Hydroquinone in Cosmetic Products	High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM13 & AM14
	2. Determination of Triclosan in Cosmetic Products	High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM34
	3. Determination of Isothiazolinones in Cosmetics Product	High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM35
	4. Identification of Cannabinoids in Cosmetic Products	Liquid Chromatography-Tandem Mass Spectrometry (LC/MS/MS) In-house method AM36

Schedule



Certificate No. : LA-2001-0210-A
(Part 4 of 4)

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Page : 3 of 4

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E Skin-care products	5. Screening of Tretinoin and its isomers in Cosmetic Products	High Performance Liquid Chromatography - Diode Array Detector (HPLC-DAD) In-house method AM41
	6. Determination of UV filters in Cosmetic Products	High Performance Liquid Chromatography - Diode Array Detector (HPLC-DAD) In-house method AM 40
	1. Identification of Tretinoin / Isotretinoin in Cosmetic Products	Thin Layer Chromatography (TLC) and High Performance Liquid Chromatography-Diode Array Detector (HPLC-DAD) In-house method AM15
	2. Screening of Hydroquinone in Skin Care Products	High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM30
	3. Determination of Alpha-Hydroxy Acids (AHAs) in Skin Care Products	High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM33
	4. Screening of Hydroquinone in Skin Care Products	High Performance Liquid Chromatography - Diode Array Detector (HPLC-DAD) In-house method AM37
F Toothpaste & Oral Hygiene Products	1. Identification of Diethylene Glycol in Toothpaste and Oral Hygiene Products	Gas Chromatography – Mass Spectrometry (GCMS) (Chemical Ionisation Mode) In-house method AM21
	2. Determination of Fluoride in Oral Hygiene Products	Ion-Selective Electrode (ISE) In-house method AM31
	3. Screening of Diethylene Glycol in Oral Hygiene Products	Gas Chromatography – Flame Ionisation Detector (GC-FID) In-house method AM38
	4. Determination of Hydrogen Peroxide In Oral Hygiene Products	High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM39

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Page : 4 of 4

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G Hair Care Products	<ol style="list-style-type: none">1. Determination of p-Phenylenediamine in Hair Care Products2. Screening of Hair Dyes3. Identification of ortho, meta and para-phenylenediamines, 4-methyl- meta –phenylenediamine and 2,5 diaminotoluene in hair dyes	<p>High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM25</p> <p>High Performance Liquid Chromatography (HPLC) In-house method AM29</p> <p>Thin Layer Chromatography (TLC) and High Performance Liquid Chromatography – Diode Array Detector (HPLC-DAD) In-house method AM5</p>
H Nail Care Products	<ol style="list-style-type: none">1. Determination of Phthalates in Nail Polish2. Identification of Benzene in Nail Products	<p>Gas Chromatography – Mass Spectrometry (GC-MS) In-house method AM26</p> <p>Headspace Gas Chromatography – Mass Spectrometry (GC-MS) In-house method AM28</p>

Approved Signatory

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2. Dr Cheah Nuan Ping
3. Ms Joyce Kiang Kin Har
4. Dr Ge Xiao Wei
5. Dr Zeng Yun
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7. Ms Low Lan Eng

} For all accredited tests

Note:

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.

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