## Rheometer

Bil.	Type of Analysis	Probe/ Geometry	Buffer	Run Time/ Method	Total Run Time (Min)	Schedule
1.	Gelatin	Cone & Plate (Cone diameter 60mm)	Paraffin Oil	Temperature Ramping (10 - 60°C_ 2°C/min)	50 – 60 min (8 sample per day)	January 2017 (18 – 22 Jan) February 2017 (1 – 5 Feb) March 2017 (1 – 4 Mac) April 2017 (4 – 8 April

				January 2017
				(18 – 22 Jan)
				February 2017
		Viscosity (25°C)	10 – 20 min	(1 – 5 Feb)
			(16 Sample per day)	
			uuy)	March 2017
				(1 – 4 Mac)
				April 2017
				(4 – 8 April)
				January 2017
				(18 – 22 Jan)
		Temperature Sweep (25°C)	40 – 50 min	February 2017
			(9 sample per day)	(1 – 5 Feb)

				March 2017
				(1 – 4 Mac)
				April 2017
				(4 – 8 April)
				-
				January 2017
				(18 – 22 Jan)
				February 2017
			40 50 1	(1 – 5 Feb)
		Frequency Sweep (25°C)	40 – 50 min	×
		requency Sweep (25°C)	(9 sample per day)	March 2017
				March 2017
				(1 – 4 Mac)
				April 2017
				(4 – 8 April)

						January 2017
						(18 – 22 Jan)
						February 2017
						(1 – 5 Feb)
					20 – 30 min	March 2017
				LVR (25°C)	(14 sample per	(1 – 4 Mac)
					day	April 2017
						(4 – 8 April)
2.	Collagen	<ul> <li>i. Cone &amp; Plate</li> <li>(Cone diameter 60mm)</li> <li>ii. Cone &amp; Plate – stainless steel</li> <li>(Cone diameter 40mm)</li> </ul>	Paraffin Oil	Viscosity (25°C)	20 – 30 min (14 sample per day)	February 2017 (8 – 12 Feb) March 2017 (7 – 11 Mac) April 2017
						(11 – 15 April)

Temperature Ramping (2 - 50°C_1°C/min)	50 – 60 min (8 sample per day)	February 2017 (8 – 12 Feb) March 2017 (7 – 11 Mac) April 2017 (11 – 15 April)
Frequency Sweep (25°C)	40 – 50 min (9 sample per day)	February 2017 (8 – 12 Feb) March 2017 (7 – 11 Mac) April 2017 (11 – 15 April)

		February 2017
		(8 – 12 Feb)
	40 – 50 min	March 2017
	(9 sample per day)	(7 – 11 Mac)
Temperature Sweep (25°C)		
		April 2017
		(11–15 April)
		February 2017
		(8 – 12 Feb)
LVR (25°C)	20 – 30 min	March 2017
	(14 sample per	(7 – 11 Mac)
	day)	April 2017
		(11 – 15 April)

			-			May 2017
3.				Viscosity (25°C)	20 – 30 min (10 sample per day)	(16 – 20 May) June 2017 (20 – 24 June) May 2017 (16 – 20 May) June 2017 (20 – 24 June) May 2017
	Liquid Base	Liquid Base Rotor for Concentric Cylinder Temperature Ramping (2 - 50°C_1°C/min) (8 sam da Frequency Sweep (25°C) 40 - 5 (9 sam	50 – 60 min (8 sample per day)	(16 – 20 May) June 2017		
				Frequency Sweep (25°C)	40 – 50 min (9 sample per day)	May 2017 (16 – 20 May) June 2017 (20 – 24 June)

				Temperature Sweep (25°C)	40 – 50 min (9 sample per day)	May 2017 (16 – 20 May) June 2017 (20 – 24 June)
				LVR (25°C)	20 – 30 min (14 sample per day)	May 2017 (16 – 20 May) June 2017 (20 – 24 June)
4.	Kosmetik (lipstick/sabun)	Cone & Plate - stainless steel (Cone diameter 40mm)	Paraffin Oil	Viscosity (25°C)	20 – 30 min (14 sample per day)	February 2017 (16 – 19 Feb) March 2017 (22 – 25 Mac) May 2017 (10 – 13 May)

						February 2017
						(16 – 19 Feb)
					20 – 30 min	
				LVR (25°C)	(14 sample per	March 2017
					day)	(22 – 25 Mac)
						May 2017
						(10 – 13 May)
						(10 15 10149)
						April 2017
						(18 – 21 April)
5.	Oil Base	Cone & Plate		Viscosity (25°C)	20 – 30 min	
		(Cone diameter			(10 sample per	May 2017
		60mm)	-		day)	(3 – 6 May)
						June 2017
						(13 – 16 June)

			April 2017
			(18 – 21 April)
			May 2017
	Temperature Ramp	ing (2 - 50 – 60 min	(3 – 6 May)
	50°C_1°C/min)	(10 sample per	
		day)	June 2017
			(13 – 16 June)
		20 – 30 min	April 2017
		(14 sample per day)	(18 – 21 April)
	LVR (25°C)		
			May 2017
			(3 – 6 May)
			June 2017
			(13 – 16 June)

## \*no autosampler

Policy – (1) All samples <u>MUST</u> be delivered to staff in-charge before 9.00 am of the actual date. No late delivery will be accepted.

- (2) All required paperwork are completed according to terms and conditions.
- (3) Results of analysis could be obtained on the next day.
- (4) IPPH has the right to accommodate any unavoidable changes deem necessary

All enquiries please contact:

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