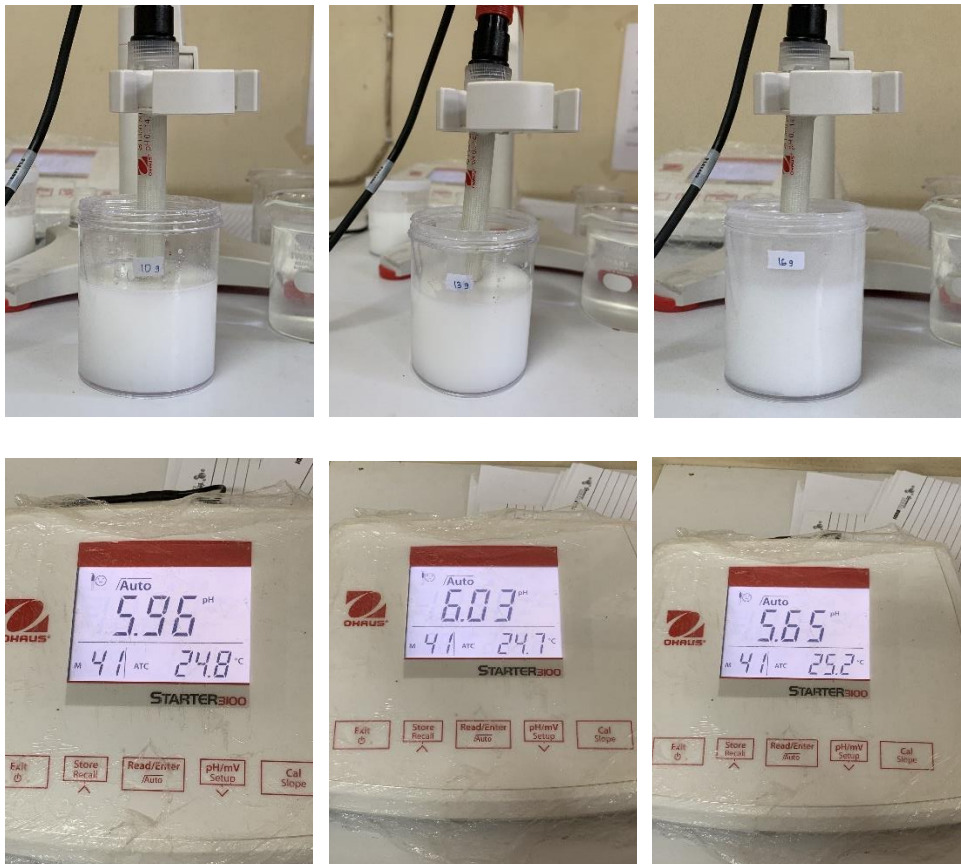


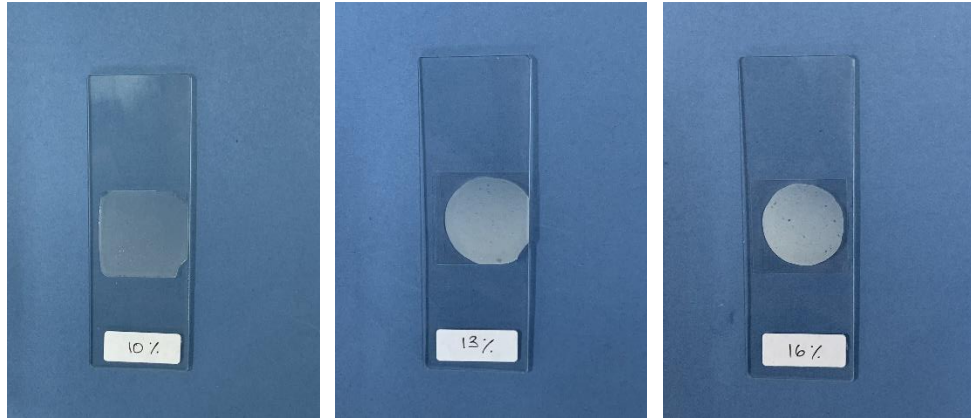
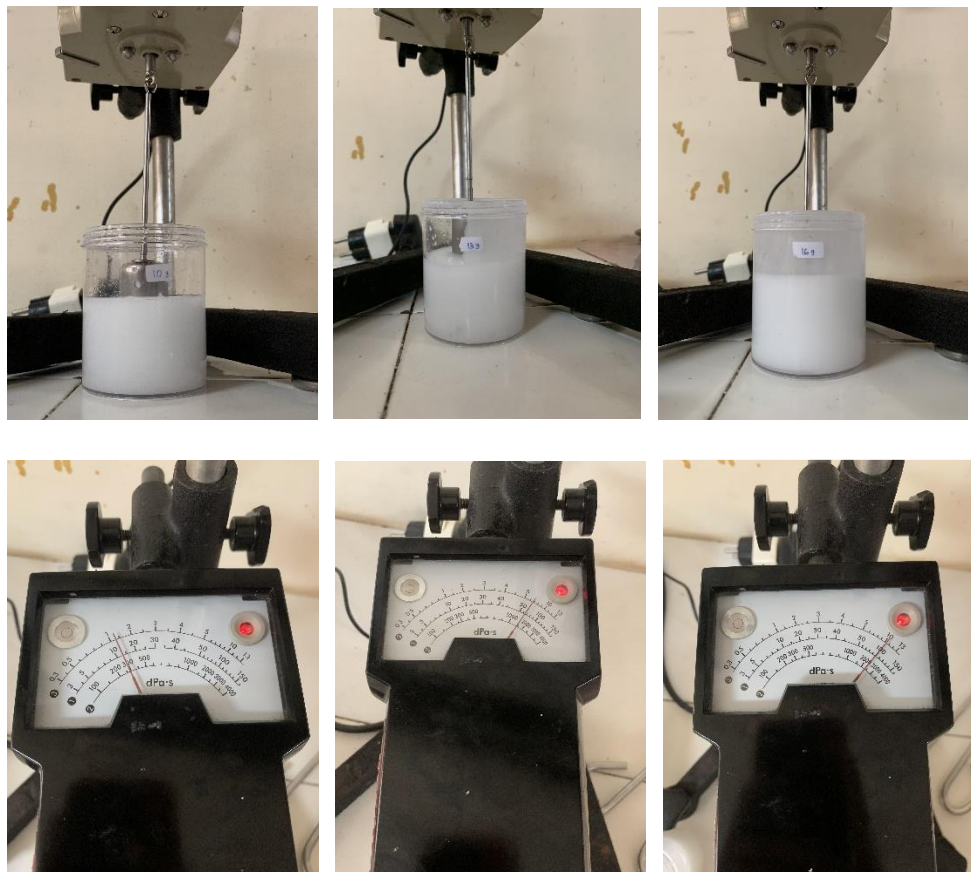
LAMPIRAN

Lampiran 1. Pembuatan Masker Gel *Peel-off* Avocado Oil dan Niacinamida



Lampiran 2. Hasil Uji pH



Lampiran 3. Hasil Uji Homogenitas**Lampiran 4. Hasil Uji Viskositas**

Lampiran 5. Hasil Uji Daya Sebar

FI

Lampiran 6. Hasil Uji Organoleptis**Lampiran 7. Hasil Uji Waktu Mengering**

FI

FII

FIII

Lampiran 8. CoA Avocado Oil

Parameter	Specification	Result	Method
Colour	Green liquid	Complies	Visual
Specific gravity at 25°C	0.909 - 0.919	0.914	FCC
Refractive index at 20°C	1.468 - 1.476	1.474	FCC

Fatty Acid Composition (FAME Test)

Linoleic acid	9.8%
Oleic acid	72.10%
Palmitic acid	8.21%
Stearic acid	1.82%
Palmitoleic acid	7.64%

Important disclaimer

The entire information contained in this (COA) has been obtained from most current and reliable sources. No information contained herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. The sole responsibility of the suitability of the material lies with the end user(s).

All customers who purchase any products from PT Darjeeling Sembrani Aroma are hereby clearly notified that all such products must be used at the customer's / end user's own discretion and only after referencing the full and complete data available herein and all other relevant product specific technical information.

PT Darjeeling Sembrani Aroma shall not be held responsible for any damages to the property or for any adverse physical effects (including injury or bodily harm) caused due to and by insufficient knowledge and/or the improper use of the products (s). The user(s) of any such product(s) will be wholly and solely responsible for compliance with all laws and abiding by the law, state rules and regulations in regards with the use and applicability of the product(s) and this includes the intellectual property rights of third parties as well as any manufacturing process.


As the ordinary or otherwise uses of any product is beyond and outside the control of PT Darjeeling Sembrani Aroma there is no representation or warranty, expressed or implied is made as to the effect(s) of such a use(s) (including damage of injury), or the results obtained.

T. Manes
Approved by
Manager - QA

PT Darjeeling Sembrani Aroma, Wisma Monex Lt 9, Jl. Asia Afrika No. 133, Kb. Pasir, Kec. Sumuar, Kota Bandung, Jawa Barat, 40112, Indonesia
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Lampiran 9. CoA Niacinamide


WESTERN DRUGS LIMITED
 F-271 (A), Meera Industrial Area, Madh, Gurgaon - 123003 (Haryana), India.
 Phone: +91-284-2490976; 2496042; Fax: +91-284-2490871;
 Email: info@wdrug.com; western@wdrug.com; Website: www.westerndrugs.com

CERTIFICATE OF ANALYSIS

HSN Code: 29322920


Particular Order No.	Date	Order Reference No.	C. Q. A. Date	Lab Register Page No.
2017001345	21.08.2017	EXP. No. - 4427	29.08.2017	17-1870/147
Name of Product	Lot No.	Date of Manufacture	Date of Expiry	Date of Analysis
NICOTINAMIDE BP	17-1870MDEP/20109	AUG. - 2017	JUL. - 2022	08.08.2017

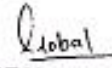
Tests	BP 2015	USP 40	EP 8.0	Results
Appearance	White or almost white, crystalline powder or colorless crystals	White crystalline powder has a faint taste. Its solution is neutral to litmus.	White or almost white, crystalline powder or colorless crystals	Complies
Odor	N.A.	Absent	N.A.	Complies
Solubility	Freely soluble in water and in ethanol	Freely soluble in water and in ethanol, soluble in glycerol	Freely soluble in water and in ethanol	Complies
Identification:				
A. Melting point	132° to 133° C	132° to 133° C	132° to 133° C	132° C
B. UV Test - 2% w/v in 0.1N HCl	N.A.	0.63 to 0.67	N.A.	0.65
C. IR Test	IR spectrum to match with Reference standard No. 1	IR spectrum to match with Reference standard No. 1	IR spectrum to match with Reference standard No. 1	Matches
Appearance of 5% w/v Solution	Clear and not more viscous than D.V.	N.A.	Clear and not more viscous than D.V.	Complies
pH of 5% w/v Solution	6.0 to 7.5	N.A.	6.0 to 7.5	6.66
Related Substance	Any secondary spot of first solution is not more intense than spot of reference solution (0.25%)	N.A.	Any secondary spot of first solution is not more intense than spot of reference solution (0.25%)	Complies
Heavy Metals	≤ 10 ppm	≤ 10 ppm	≤ 10 ppm	≤ 10 ppm
Loss on Drying	≤ 0.5% w/w	≤ 0.5% w/w	≤ 0.5% w/w	0.21 % w/w (EP) 0.21 % w/w (BP & EP)
Sulphated Ash / Residue on Ignition	≤ 0.1% w/w	≤ 0.1% w/w	≤ 0.1% w/w	0.04 % w/w
Chloride	N.A.	N.A.	N.A.	N.A.
Sulphate	N.A.	N.A.	N.A.	N.A.
Readily Carbonisable Sub.	N.A.	No more colour than matching fluid A	N.A.	Complies
Assay (On Dried Basis)				
A. Non Aqueous Titration	99.9 to 101.0 % w/w	N.A.	99.9 to 101.0 % w/w	99.85 % w/w
B. HPLC Method	N.A.	98.5 to 101.5 % w/w	N.A.	99.85 % w/w

S. No.	Test	Specification	Results
	N.A.	N.A.	N.A.

REPORT: Certified that the material referred above conforms to the following specifications:

1. Manufacturing specifications of WDL.
2. BP 2015 for Niacinamide (Nicotinamide)
3. USP 40 for Niacinamide
4. EP 8.0 for Niacinamide (Nicotinamide)
5. European directive 76/768/EEC and its amendment


N. SINGH
 (Approved Chemist)


GOPAL MENARIA
 (Q.A. ASSISTANT)

BIN NO.: AAACW2424PFT001 Page 1 of 1
 HEAD OFFICE: Gola No. 321, 3rd Floor, Tansa-Jagani Ind. Prem. Co-op. Soc. Ltd, Sitaram Mills Compound, I.R. Boricha
 Marg, Mumbai-400 011, INDIA. Tele Nos. Board Line : +91 22 6123 2000. Fax No. : +91 22 6123 2000;
 Email: info@wdrug.com; western@wdrug.com

Dipindai dengan CamScanner

Lampiran 10. CoA Propilenglikol

Date: 2019-04-07 Item: 2318100 (Dowonlin) Mean Time: Page 3 of 4


Dow		DOW FUNCTIONAL POLYESTER (DIISOPHTHALIC) PROPYLENE GLYCOL		This Item: Green Label (Dishang Sub. Hrs) (Cholesterol) (Methane)	
M Arsenic	ppm	-	2.0	< 2.0	
M Chlorides	%	-	0.007	< 0.007	Current JP
M Distilling Range	% vol	95	-	96	Current JP
		114 - 189 degC			Current JP
M Glycerine (Odor)	-	-	-	Pass	
M Heavy Metals	ppm	-	5.0	< 5.0	Current JP
C Melting Point	°C	174	178		Current JP
M Odor	-	-	-	Pass	Current JP
M Residue on Ignition	%	-	0.0050	0.0043	Current JP
M Specific Gravity		1.035	1.040	1.038	Current JP
		@ 20/20degC			
M Sulfate	%	-	0.002	< 0.002	Current JP
Water Content	%	-	0.500	0.010	Current JP
Acidity	%	-	0.0020	0.0001	DOWN 101370
		as acetic acid			
Appearance	-	-	-	Pass	Visual
		Clear, free of suspended matter			
Chlorides	ppm	-	1.0	< 1.0	DOWN 101867
Color, Pt-Co	-	-	10	2	ASTM D5306
Dimer, Trimer	%	-	0.100	0.040	DOWN 100487
		& Higher Polymers			
Ethylene Glycol	%	-	0.0080	< 0.0080	DOWN 100487
Diethylene Glycol	%	-	0.0080	< 0.0080	DOWN 100487
Odor	-	-	-	Pass	DIfactory
		practically odorless			
Iron	ppm	-	0.30	< 0.01	ASTM D384

Note 1:
Values reported for Assay, Ethylene Glycol and Diethylene Glycol under
D29 and for Assay under FCC are obtained using the validated equivalent Dow GC
Method DOWN 100687.

N-Quotiently Sample
O-Quotiently Sample

Plant Quality Coordinator

Lampiran 11. CoA Nipagin


SHARON
 Laboratories


Certificate of Analysis

Customer Name: Nardev Chemie Pte Ltd
 Product Name: METHYL PARABEN
 Batch No PR0729-0219
 Chemical Name: Methyl 4-hydroxybenzoate
 Description: White or almost white, crystalline powder or colourless crystals

Test	Unit	Result	Min Value	Max Value
Identification		O.K		
Assay	%	98.77	98.00	O.K
Loss on Drying	%	0.15	0.00	102.00
Clarity and Colour of Solution		Passes test		0.50
Melting Point	°C	126.3		Passes test
Related Substances		Passes test	125.0	128.0
Acidity(mL NaOH 0.1M)		Less than 0.1		Passes test
Heavy Metals (as Pb)	ppm	Not more than 10		Less than 0.1
Impurity A	%	Not more than 0.5		Not more than 10
Unspecified Impurities	%	Not more than 0.5		Not more than 0.5
Total Impurities	%	Not more than 1.0		Not more than 0.5
Residue on Ignition	%	Not more than 0.1		Not more than 1.0
				Not more than 0.1

Conforms to: SL981/USP40-NF35/PhEur9.0/EP2017
 Manufacture Date: 19/12/2018
 Expiry Date: 18/12/2021
 Shelf Life: 36 months from date of manufacture
 Irena Bushman



On behalf of
 Sharon Laboratories LTD.
 Quality Control Manager



Lampiran 12. CoA Nipasol

3/28/2019 155 PP 1018 - 009/PP

CIN No. U24110TG1978PTC002255
GSTIN No. 36AACC58670F1Z5

SALICYLATES AND CHEMICALS
PRIVATE LIMITED

CERTIFICATE OF ANALYSIS

Product	SALIGEN PP		
Chemical Name	PROPYL PARABEN PROPYL HYDROXY BENZOATE BP		
Batch No.	155/PP/1018	A.R. No.	15PP1809
Mfg. Date	OCT, 2018	Total Batch Qty.	1000 KGS
Exp. Date	SEP, 2023	Dispatch Qty.	300 KGS

TEST	SPECIFICATIONS	RESULTS
Appearance	White or almost white, crystalline powder.	Complies
Solubility	Very slightly soluble in water. Freely soluble in ethanol (90%) and in methanol.	Complies
Identification		
A) Melting Point	96°C to 99°C	96.9°C
B) IR	Infrared absorption Spectrophotometry: Positive	Positive
C) TLC	Chromatograms Spot: Complies	Complies
Appearance of Solution	Solution S is clear and not more intensely coloured than reference solution BY6.	Complies
Acidity	Not more than 0.1ml of 0.1M Sodium Hydroxide is required to change the color of the indicator to blue.	0.05 ml of 0.1M NaOH is required
Related Substances	Impurity A - NMT 0.5% Unspecified Impurity - NMT 0.5% Total Impurity - NMT 1.0%	0.18% Not detected 0.15%
Residual solvents	n-Propanol 3000 ppm	< 3000 ppm
Organic Volatile Impurities	As per USP <467> To meet the requirements	Complies
Sulphated Ash	Max. 0.1%	0.02%
Assay	98.0% to 102.0%	99.75%

Remark: The above batch complies with the prescribed standards of quality as per BP Standard.

DATE OF COMPILATION DD/MM/YY	<i>[Signature]</i> Analyst E. HARISH	<i>[Signature]</i> QC Head KRISHNA S. PANDE	<i>[Signature]</i> QA Head DR. SANJEEV JADHAV
	PREPARED BY	CHECKED BY	APPROVED BY
DATE	06.11.2018	06.11.2018	06.11.2018

Lampiran 13. Perhitungan Bahan

Sediaan masker gel *peel-off* akan dibuat sebanyak 100 g. Masker dibuat dalam 3 formula yang dibedakan oleh konsentrasi polivinylalkohol, masing-masing formula masker gel *peel-off* menggunakan konsentrasi polivinylalkohol yang bervariasi yaitu 10%, 13%, dan 16%.

Formula 1.

1. Avocado Oil : $\frac{5}{100} \times 100 \text{ g} = 5 \text{ g}$
2. Niacinamida : $\frac{5}{100} \times 100 \text{ g} = 5 \text{ g}$
3. PVA : $\frac{10}{100} \times 100 \text{ g} = 10 \text{ g}$
4. HPMC : $\frac{1}{100} \times 100 \text{ g} = 1 \text{ g}$
5. Propilenglikol : $\frac{10}{100} \times 100 \text{ g} = 10 \text{ g}$
6. Nipagin : $\frac{0,2}{100} \times 100 \text{ g} = 0,2 \text{ g}$
7. Nipasol : $\frac{0,1}{100} \times 100 \text{ g} = 0,1 \text{ g}$
8. Aquadest : $100 - (5+5+10+1+10+0,2+0,1)$
 $100 - 31,3 \text{ g} = 68,7 \text{ g} \sim 68,7 \text{ mL}$

Formula II.

1. Avocado Oil : $\frac{5}{100} \times 100 \text{ g} = 5 \text{ g}$
2. Niacinamida : $\frac{5}{100} \times 100 \text{ g} = 5 \text{ g}$
3. PVA : $\frac{13}{100} \times 100 \text{ g} = 13 \text{ g}$
4. HPMC : $\frac{1}{100} \times 100 \text{ g} = 1 \text{ g}$

5. Propilenglikol : $\frac{10}{100} \times 100 \text{ g} = 10 \text{ g}$
6. Nipagin : $\frac{0,2}{100} \times 100 \text{ g} = 0,2 \text{ g}$
7. Nipasol : $\frac{0,1}{100} \times 100 \text{ g} = 0,1 \text{ g}$
8. Aquadest : $100 - (5+5+13+1+10+0,2+0,1)$
 $100 - 34,3 \text{ g} = 65,7 \text{ g} \sim 65,7 \text{ mL}$

Formula III

1. Avocado Oil : $\frac{5}{100} \times 100 \text{ g} = 5 \text{ g}$
2. Niacinamida : $\frac{5}{100} \times 100 \text{ g} = 5 \text{ g}$
3. PVA : $\frac{13}{100} \times 100 \text{ g} = 13 \text{ g}$
4. HPMC : $\frac{1}{100} \times 100 \text{ g} = 1 \text{ g}$
5. Propilenglikol : $\frac{10}{100} \times 100 \text{ g} = 10 \text{ g}$
6. Nipagin : $\frac{0,2}{100} \times 100 \text{ g} = 0,2 \text{ g}$
7. Nipasol : $\frac{0,1}{100} \times 100 \text{ g} = 0,1 \text{ g}$
8. Aquadest : $100 - (5+5+16+1+10+0,2+0,1)$
 $100 - 37,3 \text{ g} = 62,7 \text{ g} \sim 62,7 \text{ mL}$