LAMPIRAN A
HASIL STANDARISASI NON SPESIFIK DAN SPESIFIK EKSTRAK KERING BUNGA TELANG (*CLITORIA TERNATEA* L.)

a. Penentuan Susut Pengeringan

Replikasi	Susut pengeringan (%)
I	2
II	2,1
III	2,5
x̄ ± SD	2,78%±0,15

b. Penentuan Kadar Abu Total

Replikasi	Berat krus konstan (g) (W0)	Berat krus + simplisia konstan (g) (W2)	Berat ekstrak (g) (W1)	Kadar abu total (%)
I	30,5685	30,5732	2,0625	0,49
II	31,1382	31,1435	2,0964	0,49
III	30,7274	30,7331	2,0838	0,46
VI	30,3972	30,4069	2,0595	0,47
V	31,1785	31,1842	2,0448	0,47
VI	30,3932	30,4023	2,0551	0,44
Rata-rata±SD				0,44±0,01

Contoh Perhitungan:

% Kadar abu total=$\frac{(w1-(w2-w0)}{w1} x\ 100$

$= \frac{(30,5732-30,5685)}{2,0625} X\ 100\% = 0,49\%$

c. Kadar abu tidak larut asam

Replikasi	Berat krus kosong (g) (W1)	Berat krus+simplisia konstan (g) (W2)	Berat ekstrak (g) (W1)	Kadar abu tidak larut asam (%)
I	30,3977	30,4011	2,1595	0,18
II	31,1785	31,1813	2,0448	0,13
III	30,3932	30,3964	2,0551	0,15
Rata-rata±SD				0,15±0,02

LAMPIRAN A
HASIL STANDARISASI NON SPESIFIK DAN SPESIFIK EKSTRAK KERING BUNGA TELANG (*CLITORIA TERNATEA* L.) (LANJUTAN)

Contoh Perhitungan:

% Kadar abu tidak larut asam=$\frac{(w1-(w2-w0)}{w1} x\ 100$

= $\frac{(30,4011-30,3972)}{2,0595} X\ 100\%$ = 0,18%

d. Kadar abu larut air

Replikasi	Berat krus kosong (g) (WO)	Berat krus+simplisia konstan (g) (W2)	Berat ekstrak (g) (W1)	Kadar abu larut air (%)
I	30,5685	30,5732	2,0625	0,22
II	31,1382	31,1435	2,0964	0,25
III	30,7274	30,0838	2,0838	0,27
Rata-rata±SD			0,24±0,02	

Contoh Perhitungan:

% Kadar abu tidak larut asam=$\frac{(w1-(w2-w0)}{w1} x\ 100$

= $\frac{(30,4011-30,3972)}{2,0595} X\ 100\%$ = 0,18%

e. Kadar Sari Larut Etanol

Replikasi	Berat krus kosong (g) (WO)	Berat krus + simplisia konstan (g) (W2)	Berat ekstrak (g) (W1)	Kadar sari larut etanol total (%)
I	43,4257	43,5493	5,0250	12,2
II	43,3890	43,4924	5,0598	10,2
III	43,3735	43,4760	5,0476	10,1
Rata-rata±SD				10,8±1,18

Contoh Perhitungan:

% Kadar abu tidak larut asam=$\frac{(w0+w2)-w0)}{w1} xfpx\ 100$

= $\frac{(43,5493-43,4257)}{5,0250} X\ 100\%$ = 12,2%

LAMPIRAN A
HASIL STANDARISASI NON SPESIFIK DAN SPESIFIK EKSTRAK KERING BUNGA TELANG (*CLITORIA TERNATEA* L.) (LANJUTAN)

f. Kadar Sari Larut Air

Replikasi	Berat krus kosong (g) (WO)	Berat krus + simplisia konstan (g) (W2)	Berat ekstrak (g) (W1)	Kadar sari larut air total (%)
I	44,8052	44,8364	5,1583	99,95
II	42,8296	43,8499	5,1247	99,54
III	43,8803	44,8062	5,1045	98,97
Rata-rata±SD 99,48±1,18				

Contoh Perhitungan:

% Kadar abu tidak larut asam=$\frac{(w0+w2)-w0)}{w1} xfpx\ 100$

= $\frac{(44,8364-43,8052)}{5,1583} X\ 100\%$

= 99,95%

LAMPIRAN B
HASIL UJI MUTU FISIK DAN EFEKTIVITAS SEDIAAN KRIM PELEMBAB EKSTRAK KERING BUNGA TELANG

Mutu fisik	Replikasi	F-1	Fa	Fb	Fab	Persyaratan
PH	I	5,16	5,55	5,28	5,59	
	II	5,15	5,15	5,30	5,61	
	III	5,16	5,16	5,29	5,60	
	x̄ ± SD	5,16±0,005	5,56±0,005	5,29±0,01	5,60±0,01	4-6
	IV	5,22	5,50	5,19	5,69	
	V	5,23	5,51	5,20	5,68	
	VI	5,21	5,51	5,19	5,69	
	x̄ ± SD	5,22±0,01	5,51±0,005	5,19±0,005	5,69±0,005	
Viskositas	I	42,000	46,350	42,700	47,690	
	II	43,300	45,700	42,150	45,180	
	III	42,800	45,600	42,400	46,780	
	x̄ ± SD	42,700±0,6	45,883±0,3	42,417±0,2	46,550±1,2	30000-
	IV	43,950	46,350	42,560	45,650	7000cps
	V	41,050	45,700	42,270	46,480	
	VI	43,700	45,600	42,180	46,990	
	x̄ ± SD	42,900±1,6	45,367±1,3	42,330,1±	46,373±0,6	
Daya lekat	I	6.90	8.00	6.80	6.80	
	II	6.90	7.90	6.80	6.80	
	III	7.00	7.60	6.90	6.90	
	x̄ ± SD	6,93±0,05	7,83±0,2	6,83±0,05	7,79±0,1	>4 detik
	IV	7.00	7.80	7.00	7.00	
	V	6.90	7.70	6.90	6.90	
	VI	6.80	7.60	6.70	6.70	
	x̄ ± SD	6,90±0,1	7,70±0,1	6,87±0,1	7,70±0,1	
Daya sebar	I	4.50	3.80	4.50	3.70	
	II	4.70	4.10	4.70	3.80	
	III	4.50	4.20	4.60	4.10	
	x̄ ± SD	4,57±0,1	4,03±0,2	4,60±0,1	3,87±0,2	3-5 cm
	IV	4.60	4.10	4.50	4.20	
	V	4.50	4.00	4.40	4.20	
	VI	4.40	3.90	4.40	3.90	
	x̄ ± SD	4,50±0,1	4,00±0,1	4,43±0,05	4,10±0,1	

LAMPIRAN C
HASIL UJI MUTU FISIK DAN EFEKTIVITAS SEDIAAN KRIM PELEMBAB EKSTRAK KERING BUNGA TELANG

Formula	Bets	Rep	Bobot yang hilang (g) pada jam ke- 0	0.5	1	2	4	$[AUC]^{t_n}_{t_{n-1}}$
F-1	1	1	0,0000	0,2091	0,4156	0,6125	0,8202	2,6778
		2	0,0000	0,2335	0,4465	0,5643	1,1330	2,8620
		3	0,0000	0,2119	0,3892	0,6930	1,0141	3,0970
		x̄ ± SD						**2,8789±0,21**
	2	1	0,0000	0,1365	0,3942	0,5358	1.0348	2,4744
		2	0,0000	0,2462	0,3529	0,7004	0,9699	2,6967
		3	0,0000	0,1930	0,4280	0,5900	0,7641	3,3338
		x̄ ± SD						**2,8350±0,44**
Fa	1	1	0,0000	0,2091	0,3261	0,6340	0,7182	2,4927
		2	0,0000	0,2096	0,4018	0,5735	0,8359	3,0291
		3	0,0000	0,2395	0,4289	0,5577	0,7015	2,5102
		x̄ ± SD						**2,6773±0,30**
	2	1	0,0000	0,0677	0,2504	0,6005	0,7567	2,2712
		2	0,0000	0,1618	0,1618	0,6237	0,9117	2,9099
		3	0,0000	0,1754	0,4050	0,5414	0,7948	2,7861
		x̄ ± SD						**2,6559±0,33**
Fb	1	1	0,0000	0,1485	0,3303	0,5028	0,9793	2,8306
		2	0,0000	0,2326	0,3297	0,4803	1,1865	2,9638
		3	0,0000	0,0939	0,2805	0,6089	0,9399	2,6632
		x̄ ± SD						**2,8192±0,15**
	2	1	0,0000	0,2042	0,3988	0,5975	0,8308	2,8362
		2	0,0000	0,1855	0,3650	0,6298	0,8655	2,7754
		3	0,0000	0,1833	0,3833	0,5937	0,7481	2,7584
		x̄ ± SD						**2,7900±0,04**
Fab	1	1	0,0000	0,1844	0,2597	0,5224	0,8695	2,3004
		2	0,0000	0,1596	0,3399	0,5677	0,7351	2,6389
		3	0,0000	0,3692	0,3692	0,5895	0,7611	2,7668
		x̄ ± SD						**2,5687±0,24**
	2	1	0,0000	0,2104	0,3038	0,3358	1,4630	2,8901
		2	0,0000	0,2066	0,3185	0,5126	0,8056	2,4267
		3	0,0000	0,0827	0,3936	0,3926	1,7410	2,3886
		x̄ ± SD						**2,5685±0,27**
Blanko 1	1	1	0,0000	0,1816	0,3770	0,6225	1,5159	3,6796
		2	0,0000	0,2937	0,5104	0,7220	1,0707	3,7340
		3	0,0000	0,2780	0,5433	0,7909	1,1052	3,9701
		x̄ ± SD						**3,7946±0,15**
	2	1	0,0000	0,0679	0,1309	0,7079	1,3443	3,3286
		2	0,0000	0,1149	0,5367	0,6684	1,2469	3,6749
		3	0,0000	0,0490	0,4345	0,8275	1,2364	3,8850
		x̄ ± SD						**3,6295±0,28**
Blanko 2	1	1	0,0000	0,1650	0,4312	0,6661	0,9123	3,2403
		2	0,0000	0,1913	0,4239	0,6476	1,0368	3,3292
		3	0,0000	0,2277	0,2947	0,7598	1,0306	3,4692
		x̄ ± SD						**3,3462±0,11**
	2	1	0,0000	0,1061	0,5312	0,6661	0,9123	3,5674
		2	0,0000	0,1913	0,4039	0,8476	0,9368	3,5437
		3	0,0000	0,2277	0,3947	0,6598	1,2106	3,5242
		x̄ ± SD						**3,5451±0,02**

LAMPIRAN D
HASIL UJI STATISTIK pH ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST*

Formula -1

Bets 1 dan Bets 2

Group Statistics

	pHFmin1	N	Mean	Std. Deviation	Std. Error Mean
UjipH	Batch1	3	5.1567	.00577	.00333
	Batch 2	3	5.2200	.01000	.00577

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
UjipH	Equal variances assumed	.400	.561	-9.500	4	<.001	-.06333	.00667	-.08184	-.04482
	Equal variances not assumed			-9.500	3.200	.002	-.06333	.00667	-.08382	-.04285

Formula a

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
pH_Fa	1	3	5.5567	.00577	.00333
	2	3	5.5067	.00577	.00333

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
pH_Fa	Equal variances assumed	.000	1.000	10.607	4	<.001	.05000	.00471	.03691	.06309
	Equal variances not assumed			10.607	4.000	<.001	.05000	.00471	.03691	.06309

Formula b

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
pH_Fb	1	3	5.2900	.01000	.00577
	2	3	5.1933	.00577	.00333

LAMPIRAN D
HASIL UJI STATISTIK pH ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST* (LANJUTAN)

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
pH_Fb	Equal variances assumed	.400	.561	14.500	4	<.001	.09667	.00667	.07816	.11518
	Equal variances not assumed			14.500	3.200	<.001	.09667	.00667	.07618	.11715

Formula ab
Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
pH_Fab	1	3	5.6000	.01000	.00577
	2	3	5.6867	.00577	.00333

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
pH_Fab	Equal variances assumed	.400	.561	-13.000	4	<.001	-.08667	.00667	-.10518	-.06816
	Equal variances not assumed			-13.000	3.200	<.001	-.08667	.00667	-.10715	-.06618

LAMPIRAN E
HASIL UJI STATISTIK pH ANTAR FORMULA MENGGUNAKAN *ONE WAY* ANOVA

ANOVA

NilaipH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.878	3	.293	2694.56	<.001
Within Groups	.036	20	.002		
Total	.914	23			

Post hoc Test

Multiple Comparisons

Dependent Variable: NilaipH

Tukey HSD

(I) pH	(J) pH	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
f-1	fa	-.34333*	.02449	<.001	-.4119	-.2748
	fb	-.05333	.02449	.164	-.1219	.0152
	fab	-.45500*	.02449	<.001	-.5235	-.3865
fa	f-1	.34333*	.02449	<.001	.2748	.4119
	fb	.29000*	.02449	<.001	.2215	.3585
	fab	-.11167*	.02449	.001	-.1802	-.0431
fb	f-1	.05333	.02449	.164	-.0152	.1219
	fa	-.29000*	.02449	<.001	-.3585	-.2215
	fab	-.40167*	.02449	<.001	-.4702	-.3331
fab	f-1	.45500*	.02449	<.001	.3865	.5235
	fa	.11167*	.02449	.001	.0431	.1802
	fb	.40167*	.02449	<.001	.3331	.4702

*. The mean difference is significant at the 0.05 level.

LAMPIRAN F
HASIL UJI STATISTIK VISKOSITAS ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST*

Formula -1

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
Viskos_Fmin1	1	3	42.7000	.65574	.37859
	2	3	42.9000	1.60702	.92781

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Viskos_Fmin1	Equal variances assumed	4.363	.105	-.200	4	.852	-.20000	1.00208	-2.98222	2.58222
	Equal variances not assumed			-.200	2.648	.856	-.20000	1.00208	-3.64279	3.24279

Formula a

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
Viskos_Fa	1	3	45.88333	.407226	.235112
	2	3	45.36667	1.353083	.781203

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Viskos_Fa	Equal variances assumed	3.583	.131	.633	4	.561	.516667	.815816	-1.748401	2.781735
	Equal variances not assumed			.633	2.359	.582	.516667	.815816	-2.527804	3.561137

LAMPIRAN F
HASIL UJI STATISTIK VISKOSITAS ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST* (LANJUTAN)

Formula b

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
Viskos_Fb	1	3	42.41667	.275379	.158990
	2	3	42.33667	.198578	.114649

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Viskos_Fb	Equal variances assumed	.168	.703	.408	4	.704	.080000	.196016	-.464227	.624227
	Equal variances not assumed			.408	3.637	.706	.080000	.196016	-.486314	.646314

Formula ab

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
Viskos_Fab	1	3	46.55000	1.270708	.733644
	2	3	46.37333	.676338	.390484

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Viskos_Fab	Equal variances assumed	1.181	.338	.213	4	.842	.176667	.831090	-2.130810	2.484143
	Equal variances not assumed			.213	3.049	.845	.176667	.831090	-2.444356	2.797689

LAMPIRAN G
HASIL UJI STATISTIK VISKOSITAS ANTAR FORMULA MENGGUNAKAN *ONE WAY* ANOVA

ANOVA

UjiViskos

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	74.260	3	24.753	261.96	<.001
Within Groups	14.910	20	.745		
Total	89.170	23			

Post hoc Test

Multiple Comparisons

Dependent Variable: UjiViskos

Tukey HSD

(I) Viskositas	(J) Viskositas	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F-1	Fa	-2.825000*	.498497	<.001	-4.22026	-1.42974
	Fb	.423333	.498497	.830	-.97193	1.81860
	Fab	-3.661667*	.498497	<.001	-5.05693	-2.26640
Fa	F-1	2.825000*	.498497	<.001	1.42974	4.22026
	Fb	3.248333*	.498497	<.001	1.85307	4.64360
	Fab	-.836667	.498497	.360	-2.23193	.55860
Fb	F-1	-.423333	.498497	.830	-1.81860	.97193
	Fa	-3.248333*	.498497	<.001	-4.64360	-1.85307
	Fab	-4.085000*	.498497	<.001	-5.48026	-2.68974
Fab	F-1	3.661667*	.498497	<.001	2.26640	5.05693
	Fa	.836667	.498497	.360	-.55860	2.23193
	Fb	4.085000*	.498497	<.001	2.68974	5.48026

*. The mean difference is significant at the 0.05 level.

LAMPIRAN H
HASIL UJI STATISTIK DAYA LEKAT ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST*

Formula -1

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
DayaLekat_Fmin1	1	3	6.9333	.05774	.03333
	2	3	6.9000	.10000	.05774

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
DayaLekat_Fmin1	Equal variances assumed	.400	.561	.500	4	.643	.03333	.06667	-.15176	.21843
	Equal variances not assumed			.500	3.200	.649	.03333	.06667	-.17152	.23819

Formula a

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
DayaLekat_Fa	1	3	7.8333	.20817	.12019
	2	3	7.7000	.10000	.05774

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
DayaLekat_Fa	Equal variances assumed	2.286	.205	1.000	4	.374	.13333	.13333	-.23686	.50353
	Equal variances not assumed			1.000	2.876	.394	.13333	.13333	-.30150	.56816

LAMPIRAN H
HASIL UJI STATISTIK DAYA LEKAT ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST* (LANJUTAN)

Formula b

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
DayaLekat_Fb	1	3	6.8333	.05774	.03333
	2	3	6.8667	.15275	.08819

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
DayaLekat_Fb	Equal variances assumed	2.571	.184	-.354	4	.742	-.03333	.09428	-.29510	.22843
	Equal variances not assumed			-.354	2.560	.751	-.03333	.09428	-.36477	.29810

Formula ab

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
DayaLekat_Fab	1	3	7.9667	.15275	.08819
	2	3	7.7000	.10000	.05774

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
DayaLekat_Fab	Equal variances assumed	.727	.442	2.530	4	.065	.26667	.10541	-.02600	.55933
	Equal variances not assumed			2.530	3.448	.075	.26667	.10541	-.04542	.57876

LAMPIRAN I
HASIL UJI STATISTIK DAYA LEKAT ANTAR FORMULA MENGGUNAKAN *ONE WAY* ANOVA

ANOVA

UjiDayaLekat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.128	3	1.376	11090.67	<.001
Within Groups	1.331	20	.067		
Total	5.458	23			

Post hoc Test

Multiple Comparisons

Dependent Variable: UjiDayaLekat

Tukey HSD

(I) DayaLekat	(J) DayaLekat	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F-1	Fa	-.85000*	.08062	<.001	-1.0757	-.6243
	Fb	.06667	.08062	.841	-.1590	.2923
	Fab	-.91667*	.08062	<.001	-1.1423	-.6910
Fa	F-1	.85000*	.08062	<.001	.6243	1.0757
	Fb	.91667*	.08062	<.001	.6910	1.1423
	Fab	-.06667	.08062	.841	-.2923	.1590
Fb	F-1	-.06667	.08062	.841	-.2923	.1590
	Fa	-.91667*	.08062	<.001	-1.1423	-.6910
	Fab	-.98333*	.08062	<.001	-1.2090	-.7577
Fab	F-1	.91667*	.08062	<.001	.6910	1.1423
	Fa	.06667	.08062	.841	-.1590	.2923
	Fb	.98333*	.08062	<.001	.7577	1.2090

*. The mean difference is significant at the 0.05 level.

LAMPIRAN J
HASIL UJI STATISTIK DAYA SEBAR ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST*

Formula -1

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
DayaSebar_Fmin1	1	3	4.5667	.11547	.06667
	2	3	4.5000	.10000	.05774

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
DayaSebar_Fmin1	Equal variances assumed	.308	.609	.756	4	.492	.06667	.08819	-.17819	.31153
	Equal variances not assumed			.756	3.920	.493	.06667	.08819	-.18018	.31351

Formula a

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
DayaSebar_Fa	1	3	4.0333	.20817	.12019
	2	3	4.0000	.10000	.05774

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
DayaSebar_Fa	Equal variances assumed	2.286	.205	.250	4	.815	.03333	.13333	-.33686	.40353
	Equal variances not assumed			.250	2.876	.819	.03333	.13333	-.40150	.46816

LAMPIRAN J
HASIL UJI STATISTIK DAYA SEBAR ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST* (LANJUTAN)

Formula b

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
DayaSebar_Fb	1	3	4.6000	.10000	.05774
	2	3	4.4333	.05774	.03333

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
DayaSebar_Fb	Equal variances assumed	.400	.561	2.500	4	.067	.16667	.06667	-.01843	.35176
	Equal variances not assumed			2.500	3.200	.082	.16667	.06667	-.03819	.37152

Formula ab

Bets 1 dan Bets

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
DayaSebar_Fab	1	3	3.8667	.20817	.12019
	2	3	4.1000	.17321	.10000

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
DayaSebar_Fab	Equal variances assumed	.143	.725	-1.492	4	.210	-.23333	.15635	-.66742	.20076
	Equal variances not assumed			-1.492	3.872	.212	-.23333	.15635	-.67314	.20647

LAMPIRAN K
HASIL UJI STATISTIK SEBAR ANTAR FORMULA MENGGUNAKAN *ONE WAY* ANOVA

ANOVA

UjiDayaSebar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.658	3	.553	212.25	<.001
Within Groups	.458	20	.023		
Total	2.116	23			

Post hoc Test

Multiple Comparisons

Dependent Variable: UjiDayaSebar

Tukey HSD

(I) DayaSebar	(J) DayaSebar	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F-1	Fa	.51667*	.08740	<.001	.2720	.7613
	Fb	.01667	.08740	.997	-.2280	.2613
	Fab	.55000*	.08740	<.001	.3054	.7946
Fa	F-1	-.51667*	.08740	<.001	-.7613	-.2720
	Fb	-.50000*	.08740	<.001	-.7446	-.2554
	Fab	.03333	.08740	.981	-.2113	.2780
Fb	F-1	-.01667	.08740	.997	-.2613	.2280
	Fa	.50000*	.08740	<.001	.2554	.7446
	Fab	.53333*	.08740	<.001	.2887	.7780
Fab	F-1	-.55000*	.08740	<.001	-.7946	-.3054
	Fa	-.03333	.08740	.981	-.2780	.2113
	Fb	-.53333*	.08740	<.001	-.7780	-.2887

*. The mean difference is significant at the 0.05 level.

LAMPIRAN L
HASIL UJI STATISTIK DAYA PELEMBAB ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST*

Formula -1

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
UjiPelembab_Fmin1	1	3	2.878933	.2101124	.1213084
	2	3	2.834967	.4460721	.2575399

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
UjiPelembab_Fmin1	Equal variances assumed	2.308	.203	.154	4	.885	.0439667	.2846797	-.7464308	.8343642
	Equal variances not assumed			.154	2.846	.888	.0439667	.2846797	-.8904194	.9783527

Formula a

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
UjiPelembab_Fa	1	3	2.738867	.2648719	.1529239
	2	3	2.655900	.3384359	.1953960

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
UjiPelembab_Fa	Equal variances assumed	.391	.566	.334	4	.755	.0829667	.2481236	-.6059349	.7718683
	Equal variances not assumed			.334	3.782	.756	.0829667	.2481236	-.6219100	.7878434

LAMPIRAN L
HASIL UJI STATISTIK DAYA PELEMBAB ANTAR BETS MENGGUNAKAN *INDEPENDENT T-TEST* (LANJUTAN)

Formula b

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
UjiPelembab_Fb	1	3	2.819200	.1506239	.0869628
	2	3	2.790000	.0409033	.0236155

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
UjiPelembab_Fb	Equal variances assumed	2.394	.197	.324	4	.762	.0292000	.0901122	-.2209916	.2793916
	Equal variances not assumed			.324	2.293	.773	.0292000	.0901122	-.3146629	.3730629

Formula ab

Bets 1 dan Bets 2

Group Statistics

	Batch	N	Mean	Std. Deviation	Std. Error Mean
UjiPelembab_Fab	1	3	2.568700	.2409943	.1391381
	2	3	2.568467	.2791933	.1611923

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
UjiPelembab_Fab	Equal variances assumed	.199	.679	.001	4	.999	.0002333	.2129375	-.5909760	.5914427
	Equal variances not assumed			.001	3.916	.999	.0002333	.2129375	-.5959848	.5964515

LAMPIRAN M
HASIL UJI STATISTIK DAYA PELEMBAB ANTAR FORMULA MENGGUNAKAN *ONE WAY* ANOVA

ANOVA

UjiPelembab

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.997	3	.332	182.12	<.001
Within Groups	.157	20	.008		
Total	1.154	23			

Post hoc Test

Multiple Comparisons

Dependent Variable: UjiPelembab

Tukey HSD

(I) Pelembab	(J) Pelembab	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F-1	Fa	.3762333*	.0511398	<.001	.233096	.519370
	Fb	-.0476500	.0511398	.788	-.190787	.095487
	Fab'	.3883667*	.0511398	<.001	.245230	.531504
Fa	F-1	-.3762333*	.0511398	<.001	-.519370	-.233096
	Fb	-.4238833*	.0511398	<.001	-.567020	-.280746
	Fab'	.0121333	.0511398	.995	-.131004	.155270
Fb	F-1	.0476500	.0511398	.788	-.095487	.190787
	Fa	.4238833*	.0511398	<.001	.280746	.567020
	Fab'	.4360167*	.0511398	<.001	.292880	.579154
Fab'	F-1	-.3883667*	.0511398	<.001	-.531504	-.245230
	Fa	-.0121333	.0511398	.995	-.155270	.131004
	Fb	-.4360167*	.0511398	<.001	-.579154	-.292880

*. The mean difference is significant at the 0.05 level.

LAMPIRAN N
HASIL STATISTIK *DESIGN EXPERT*

Response 1: pH

Source	Sum of Squares	df	Mean Square	F-value	p-value	
Model	0,3031	3	0,1010	2694,56	< 0.0001	significant
A-Ekstrak Bunga Telang	0,2850	1	0,2850	7600,33	< 0.0001	
B-Propilen glikol	0,0153	1	0,0153	408,33	< 0.0001	
AB	0,0028	1	0,0028	75,00	0,0010	
Pure Error	0,0002	4	0,0000			
Cor Total	0,3033	7				

Fit Statistics

Std. Dev.	0,0061	**R^2**	0,9995
Mean	5,40	**Adjusted R^2**	0,9991
C.V. %	0,1134	**Predicted R^2**	0,9980
		Adeq Precision	107,3872

Response 2: Viskositas

Source	Sum of Squares	df	Mean Square	F-value	p-value	
Model	1,929E+07	3	6,430E+06	261,96	< 0.0001	signific
A-Ekstrak Bunga Telang	1,852E+07	1	1,852E+07	754,54	< 0.0001	
B-Propilen glikol	5,995E+05	1	5,995E+05	24,43	0,0078	
AB	1,694E+05	1	1,694E+05	6,90	0,0584	
Pure Error	98177,00	4	24544,25			
Cor Total	1,939E+07	7				

Fit Statistics

Std. Dev.	156,67	**R^2**	0,9949
Mean	44188,25	**Adjusted R^2**	0,9911
C.V. %	0,3545	**Predicted R^2**	0,9797
		Adeq Precision	32,4112

Response 3: Daya Sebar

Source	Sum of Squares	df	Mean Square	F-value	p-value	
Model	0,2467	3	0,0822	212,25	< 0.0001	significant
A-Ekstrak Bunga Telang	0,2346	1	0,2346	605,45	< 0.0001	
B-Propilen glikol	0,0066	1	0,0066	17,06	0,0145	
AB	0,0055	1	0,0055	14,23	0,0196	
Pure Error	0,0016	4	0,0004			
Cor Total	0,2483	7				

Fit Statistics

Std. Dev.	0,0197	**R^2**	0,9938
Mean	4,35	**Adjusted R^2**	0,9891
C.V. %	0,4524	**Predicted R^2**	0,9750
		Adeq Precision	28,7368

Response 4: Daya Lekat

Source	Sum of Squares	df	Mean Square	F-value	p-value	
Model	1,66	3	0,5545	11090,67	< 0.0001	significant
A-Ekstrak Bunga Telang	1,66	1	1,66	33124,00	< 0.0001	
B-Propilen glikol	0,0002	1	0,0002	4,00	0,1161	
AB	0,0072	1	0,0072	144,00	0,0003	
Pure Error	0,0002	4	0,0001			
Cor Total	1,66	7				

Fit Statistics

Std. Dev.	0,0071	**R^2**	0,9999
Mean	7,34	**Adjusted R^2**	0,9998
C.V. %	0,0963	**Predicted R^2**	0,9995
		Adeq Precision	194,0000

Response 5: Daya Pelembab

Source	Sum of Squares	df	Mean Square	F-value	p-value	
Model	0,1503	3	0,0501	182,12	< 0.0001	significant
A-Ekstrak Bunga Telang	0,1250	1	0,1250	454,55	< 0.0001	
B-Propilen glikol	0,0181	1	0,0181	65,64	0,0013	
AB	0,0072	1	0,0072	26,18	0,0069	
Pure Error	0,0011	4	0,0003			
Cor Total	0,1514	7				

Fit Statistics

Std. Dev.	0,0166	**R^2**	0,9927
Mean	2,71	**Adjusted R^2**	0,9873
C.V. %	0,6125	**Predicted R^2**	0,9709
		Adeq Precision	29,4217

LAMPIRAN O
***CERTIFICATE OF ANALYSIS* EKSTRAK KERING BUNGA TELANG**

BEU
EMPOWERING NATURE

CERTIFICATE OF ANALYSIS

CLITORIA TERNATEA EXTRACT POWDER	
Product Code	BEU-TLG 001.4
Lot No	LB/72123-03
Production Date	21.07.2023
Expiration Date	20.07.2024

PRODUCT INFORMATION

Type	:	Natural powdered produced from selected butterfly pea
Common Name	:	Telang (Indonesia) ; Butterfly Pea (English)
Botanical Name	:	*Clitoria ternatea*
Part of Plant Used	:	Flower
Production Process	:	Vacuum drying of butterfly pea extract followed by grinding and sieving process
Uses Industry	:	Natural ingredient agent for food and cosmetic industry

PROPERTIES

Characteristic	Analyze	Result	Specification	Unit	Reference
Physical	Appearance	Conform to standard	Powder	NA	BEU's Method
Physical	Color	Conform to standard	Purple to Blue	NA	BEU's Method
Physical	Odor	Conform to standard	Characteristic of Butterfly Pea	NA	BEU's Method
Physical	Moisture Content	4.87	3.50 – 10.00	%	SNI 01-2891-1992
Physical	pH	7.29	6.00 – 8.00	NA	SNI 01-2891-1992
Chemical	Arsenic (As)	Not detected	0.15	ppm	AOAC Method
Chemical	Lead (Pb)	Not detected	1.00	ppm	AOAC Method
Chemical	Mercury (Hg)	Not detected	0.05	ppm	AOAC Method
Chemical	Cadmium (Cd)	Not detected	0.50	ppm	AOAC Method
Microbiological	Total Plate Count	< 100	1×10^4	cfu/g	ISO 4833-1
Microbiological	Yeast and Mold	< 10	1×10^3	cfu/g	ISO 21527-1
Microbiological	Enterobacteriaceae	Negative	1×10^3	cfu/g	ISO 21528-2
Microbiological	Bacillus cereus	Negative	1×10^4	cfu/g	ISO 7932
Microbiological	Clostridium perfringens	Negative	1×10^3	cfu/g	ISO 7937
Microbiological	E. coli	Negative	Negative	cfu/g	ISO 16649-2
Microbiological	Salmonella	Negative	Negative	Per 25 g	ISO 6579-1

RECOMMENDED STORAGE CONDITION

Store in tightly sealed original container with minimum headspace in a cool and dry place. Avoid prolonged exposure to light, heat and air.

Quality Control Department

Nur Aini

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LAMPIRAN P
***CERTIFICATE OF ANALYSIS* ASAM STEARATE**

PT SUMI ASIH

CERTIFICATE OF ANALYSIS

PRODUCT	: STEARIC ACID
TYPE	: SA 1810
QUANTITY	: 15,000 Kgs
LOT. NUMBER	: 7037104
MANUFACTURING DATE	: MARCH 8, 2024
EXPIRY DATE	: MARCH 8, 2026

ITEMS	Units	Specification	Results	Method of Analysis AOCS
Appearance		Beads	Beads	
Iodine Value	(g I2/100 g)	10.0 Max	2.85	Tg 1a - 64
Acid Value	(mg KOH/g)	195 Min	206.7	Te 1a - 64
Saponification Value	(mg KOH/g)	196 Min	207.8	Tl 1a - 64
Titer	(°C)	50 Min	54.3	Tr 1a - 64
Colour Lovibond 5¼ " Cell	Red	5.0 Max	0.9	Cc 13b - 45
	Yellow	30.0 Max	9.5	
COMPOSITION IN %				AOCS Ce 1 - 62
Lauric Acid C12	%	Variable	0.26	
Myristic Acid C14	%	Variable	1.22	
Palmitic Acid C16	%	Variable	55.82	
Stearic Acid C18	%	Variable	39.95	
Arachidic Acid C20	%	Variable	0.76	
Oleic Acid C18:1	%	Variable	1.99	

Bekasi, April 5, 2024

AGUSTINA SAMPE
Quality Assurance

10838 sk

LAMPIRAN Q
***CERTIFICATE OF ANALYSIS* STEARYL ALCOHOL**

Ecogreen Oleochemicals

Ecogreen
Oleochemicals

CERTIFICATE OF ANALYSIS

SHIPMENT/LOT NO. : 2-2047-21
DESCRIPTION : ECOROL 18/98P (STEARYL ALCOHOL PASTILLES)

Date : 21.10.2021

SPEC. NO. : 3180-12
REFERENCE : 1010302012
CUST. PO NO. : LJC2107074

CONTAINER NO.	BATCH NO.	PACKAGING	MANUFACTURING DATE	EXPIRY DATE
SPNU 2944000	P4-235-T	340 BAG	06.08.2023	06.08.2025

Analysis	Test Method	Specification		P4-235-T	P4-274-T
		Min	Max		
Homolog Distribution (wt%) :	EOB-TM-QA-613				
C16 & lower			2.0	0.2	0.0
C18		98.0		99.6	99.9
C20 & higher			2.0	0.2	0.1
Hydrocarbons (wt%)	EOB-TM-QA-613		0.50	0.19	0.15
Acid Value (mg KOH/g)	AOCS Te 2a-64		0.10	0.01	0.01
Saponification Value (mg KOH/g)	AOCS Tl 1a-64		1.00	0.10	0.10
Iodine Value (g I2/100 g)	EOB-TM-QA-607		0.10	0.01	0.01
Moisture (wt%)	DIN ISO 51 777-1		0.30	0.12	0.10
Color, APHA	AOCS Ca 9d-98		10	3	5
Solidification point (°C)	AOCS Cc 12-59	56.0	58.0	57.4	57.8
Hydroxyl Value (mg KOH/g)	EOB-TM-QA-613	205	208	207	207

Certified Correct :

Adrian
QA Superintendent

CONTROLLED SYSTEM PRINTOUT - VALID WITHOUT SIGNATURE

LAMPIRAN R
CERTIFICATE OF ANALYSIS PROPYLENE GLYCOL

Ashland

Certificate of Analysis

	Ordered Quantity: 400.000 BAGS **Delivery: 852062993/000010** **Date Shipped: September 12, 2023** **Sold To Number: 692867**

BLANOSE CMC 9M31XF BAG 25KG
Blanose(TM) CMC 9M31XF Sodium Carboxymethylcellulose
Ashland Material Number: 426495
Customer Material Number: 110687019

Batch: C193124

Characteristics	Specification	Results
Degree of substitution, MA 304.1500	0.80 - 0.95	0.89
Loss on drying, %, MA 304.1500	0.0 - 10.0	5.1
Viscosity 2%, mPa.s, MA 304.1001	1500 - 3100	2380
pH, MA 304.1004	6.5 - 8.5	7.4
Date of Manufacture		August 17, 2023
Retest Date		August 16, 2026
Ordered Quantity		380.000 BAG

Notes:
Best if used within 3 years of date of manufacture.
Our products have a retesting interval, which is assigned to assure that the product can still satisfy the original viscosity specifications to which this product are sold.
Recommended testing protocol: retest viscosity and loss on drying.
The certified range data below are based on intermittent testing:
** Purity: 99.5% mini.
** Na Glycolate: 0.4% max.
** Heavy metals: 10 ppm max.
** As: 3 ppm max.
** Pb: 2 ppm max.
** Cd: 1 ppm max.
** Hg: 1 ppm max.
This lot is in compliance to the current versions of the FCC, E466 and JECFA INS466.

Printed: September 12, 2023 12:12:40

LAMPIRAN S
***CERTIFICATE OF ANALYSIS* GLYCEROL MONOSTEARATE**

A quality management system registered to the international standard ISO 9001 was used to manufacture and test this material.

Customer Ref. PO TGL 23 September 2023
Inspection Lot 090000372979
C of A Printed. 23.09.2023
Quantity. 49.000 KG

Batch Details
Product Name: SP CITHROL GMS 30 MBAL-PA-(SG)
Product Code: GE81035/0025/8B07
Batch No: 46365

Date of test: 07.02.2024
Date of manufacture: 25.08.2023
Retest date: 07.07.2025

Specification: REV.01 21.06.2021

Quality Control Results

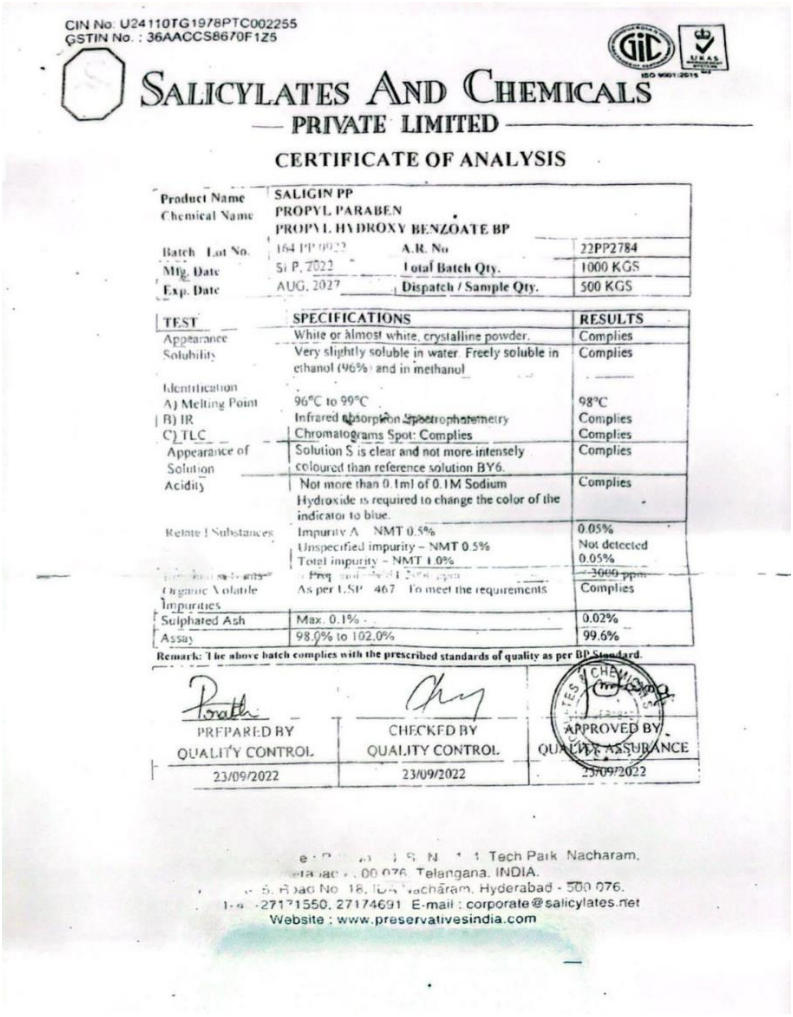
Analytical Test Method No.	Characteristic	Specification Limit Lower	Upper	Value	Unit	Status
	Addendum 00	PASS OR FAIL		Pass	-	P
AS039010	APPEARANCE @ 25°C (COLOUR)	OFF WHITE		Pass	-	P
AS039010	APPEARANCE @ 25°C (STATE)	SOLID		Pass	-	P
ES001010	ACID VALUE	0.0	3.0	1.5	mg KOH/g	P
ES030010	FREE GLYCEROL	0.0	5.0	3.8	%	P
LS013020	A - MONOGLYCERIDE	30.0	100.0	39.5	%	P
ES011010	IODINE VALUE	0.0	2.0	0.4	gI2/100g	P
FS012010	MELTING POINT	55.0	59.0	55.8	°C	P
ES018010	SAPONIFICATION VALUE	167.0	177.0	170.9	mg KOH/g	P
ES019010	SOAP CONTENT	0.00	0.50	0.03	%	P
FS022010	WATER CONTENT	0.00	2.00	0.47	%	P

This product is offered in compliance with the round table for sustainable palm-mass balance guidelines authorized under certificate number RSPO-SC 00139

Batch Status: Pass
The quality tests on this batch are reported above. The tests carried out are those necessary to demonstrate compliance with our product specification and are not intended to guarantee the product as suitable for any application beyond those contained in the specification. We recommend you perform your *own quality and or identification* checks on receipt

Page 1 of 2

LAMPIRAN T
***CERTIFICATE OF ANALYSIS* PROPYL PARABEN**



CIN No: U24110TG1978PTC002255
GSTIN No. : 36AACCS8670F1Z5

SALICYLATES AND CHEMICALS
— PRIVATE LIMITED —

CERTIFICATE OF ANALYSIS

Product Name	SALIGIN PP		
Chemical Name	PROPYL PARABEN PROPYL HYDROXY BENZOATE BP		
Batch Lot No.	164 PP 0922	A.R. No	22PP2784
Mfg. Date	SEP, 2022	Total Batch Qty.	1000 KGS
Exp. Date	AUG, 2027	Dispatch / Sample Qty.	500 KGS

TEST	SPECIFICATIONS	RESULTS
Appearance	White or almost white, crystalline powder.	Complies
Solubility	Very slightly soluble in water. Freely soluble in ethanol (96%) and in methanol.	Complies
Identification		
A) Melting Point	96°C to 99°C	98°C
B) IR	Infrared absorption Spectrophotometry	Complies
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.	Complies
Relate I Substances	Impurity A NMT 0.5% Unspecified impurity – NMT 0.5% Total impurity – NMT 1.0%	0.05% Not detected 0.05%
[illegible]	[illegible]	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%	99.6%

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

PREPARED BY	CHECKED BY	APPROVED BY
QUALITY CONTROL	QUALITY CONTROL	QUALITY ASSURANCE
23/09/2022	23/09/2022	23/09/2022

e-[illegible] S. N. 1-1 Tech Park Nacharam,
[illegible], 00 076. Telangana. INDIA.
[illegible] S. Road No. 18, [illegible] Nacharam, Hyderabad - 500 076.
[illegible]-27171550, 27174691 E-mail : corporate@salicylates.net
Website : www.preservativesindia.com

LAMPIRAN U
***CERTIFICATE OF ANALYSIS* METYL PARABEN**

CIN No: U24110TG1978PTC002255
GSTIN No. : 36AACCS8670F1Z5

SALICYLATES AND CHEMICALS PRIVATE LIMITED

CERTIFICATE OF ANALYSIS

Product Name **Chemical Name**	**SALIGIN MP** **METHYL PARABEN** **METHYL HYDROXY BENZOATE BP**		
Batch / Lot No.	469/MP/1123	**A.R. No.**	23MP2240
Mfg. Date	NOV, 2023	**Total Batch Qty.**	1000 KGS
Exp. Date	OCT, 2028	**Dispatch / Sample Qty.**	1000 KGS

TEST	SPECIFICATIONS	RESULTS
Appearance	White or almost white, crystalline powder, or colourless crystals.	Complies
Solubility	Very slightly soluble in water, freely soluble in ethanol (96%) and in methanol	Complies
Identification A – Melting Point B – IR C – TLC	 A - 125°C to 128°C B – Infrared Absorption Spectro - Photometry C – Chromatograms Spot - To Comply	 127°C Complies Complies
Appearance of Solution	Solution S is clear and not more intensely coloured than reference solution BY6	Complies
Acidity	Not more than 0.1 ml of 0.1 M Sodium Hydroxide is required to change the colour of the indicator to blue	Complies
Related Substances	Impurity A – NMT 0.5% Unspecified impurity – NMT 0.5% Total impurity – NMT 1.0%	0.06% Not detected 0.06%
Residual Solvents	Methanol – NMT 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%	99.8%

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

PREPARED BY	CHECKED BY	APPROVED BY
K. JAGAN	KRISHNA B. PAMIDI	P.S. SHARMA
QUALITY CONTROL	QUALITY CONTROL	QUALITY ASSURANCE
04/12/2023	04/12/2023	04/12/2023

Corp. & Regd Office : Plot No. 30, Sy.No. 124, Tech Park, Nacharam, Hyderabad - 500 076, Telangana, INDIA.
Works : A-25, Road No. 18, IDA Nacharam, Hyderabad - 500 076.

LAMPIRAN V
TABEL T

Pr / df	0.25 0.50	0.10 0.20	0.05 0.10	0.025 0.050	0.01 0.02	0.005 0.010	0.001 0.002
1	1.00000	3.07768	6.31375	12.70620	31.82052	63.65674	318.30884
2	0.81650	1.88562	2.91999	4.30265	6.96456	9.92484	22.32712
3	0.76489	1.63774	2.35336	3.18245	4.54070	5.84091	10.21453
4	0.74070	1.53321	2.13185	2.77645	3.74695	4.60409	7.17318
5	0.72669	1.47588	2.01505	2.57058	3.36493	4.03214	5.89343
6	0.71756	1.43976	1.94318	2.44691	3.14267	3.70743	5.20763
7	0.71114	1.41492	1.89458	2.36462	2.99795	3.49948	4.78529
8	0.70639	1.39682	1.85955	2.30600	2.89646	3.35539	4.50079
9	0.70272	1.38303	1.83311	2.26216	2.82144	3.24984	4.29681
10	0.69981	1.37218	1.81246	2.22814	2.76377	3.16927	4.14370
11	0.69745	1.36343	1.79588	2.20099	2.71808	3.10581	4.02470
12	0.69548	1.35622	1.78229	2.17881	2.68100	3.05454	3.92963
13	0.69383	1.35017	1.77093	2.16037	2.65031	3.01228	3.85198
14	0.69242	1.34503	1.76131	2.14479	2.62449	2.97684	3.78739
15	0.69120	1.34061	1.75305	2.13145	2.60248	2.94671	3.73283
16	0.69013	1.33676	1.74588	2.11991	2.58349	2.92078	3.68615
17	0.68920	1.33338	1.73961	2.10982	2.56693	2.89823	3.64577
18	0.68836	1.33039	1.73406	2.10092	2.55238	2.87844	3.61048
19	0.68762	1.32773	1.72913	2.09302	2.53948	2.86093	3.57940
20	0.68695	1.32534	1.72472	2.08596	2.52798	2.84534	3.55181
21	0.68635	1.32319	1.72074	2.07961	2.51765	2.83136	3.52715
22	0.68581	1.32124	1.71714	2.07387	2.50832	2.81876	3.50499
23	0.68531	1.31946	1.71387	2.06866	2.49987	2.80734	3.48496
24	0.68485	1.31784	1.71088	2.06390	2.49216	2.79694	3.46678
25	0.68443	1.31635	1.70814	2.05954	2.48511	2.78744	3.45019
26	0.68404	1.31497	1.70562	2.05553	2.47863	2.77871	3.43500
27	0.68368	1.31370	1.70329	2.05183	2.47266	2.77068	3.42103
28	0.68335	1.31253	1.70113	2.04841	2.46714	2.76326	3.40816
29	0.68304	1.31143	1.69913	2.04523	2.46202	2.75639	3.39624
30	0.68276	1.31042	1.69726	2.04227	2.45726	2.75000	3.38518
31	0.68249	1.30946	1.69552	2.03951	2.45282	2.74404	3.37490
32	0.68223	1.30857	1.69389	2.03693	2.44868	2.73848	3.36531
33	0.68200	1.30774	1.69236	2.03452	2.44479	2.73328	3.35634
34	0.68177	1.30695	1.69092	2.03224	2.44115	2.72839	3.34793
35	0.68156	1.30621	1.68957	2.03011	2.43772	2.72381	3.34005
36	0.68137	1.30551	1.68830	2.02809	2.43449	2.71948	3.33262
37	0.68118	1.30485	1.68709	2.02619	2.43145	2.71541	3.32563
38	0.68100	1.30423	1.68595	2.02439	2.42857	2.71156	3.31903
39	0.68083	1.30364	1.68488	2.02269	2.42584	2.70791	3.31279
40	0.68067	1.30308	1.68385	2.02108	2.42326	2.70446	3.30688

LAMPIRAN W
TABEL F

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161	199	216	225	230	234	237	239	241	242	243	244	245	245	246
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.03	4.00	3.98	3.96	3.94
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.46	2.42	2.40	2.37	2.35
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.41	2.38	2.35	2.33	2.31
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.31	2.29	2.27
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.34	2.31	2.28	2.26	2.23
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.31	2.28	2.25	2.22	2.20
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.22	2.20	2.18
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.26	2.23	2.20	2.17	2.15
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.24	2.20	2.18	2.15	2.13
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.22	2.18	2.15	2.13	2.11
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.20	2.16	2.14	2.11	2.09
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.12	2.09	2.07
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.17	2.13	2.10	2.08	2.06
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.15	2.12	2.09	2.06	2.04
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.08	2.05	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.13	2.09	2.06	2.04	2.01
31	4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.11	2.08	2.05	2.03	2.00
32	4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	2.10	2.07	2.04	2.01	1.99
33	4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	2.09	2.06	2.03	2.00	1.98
34	4.13	3.28	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	2.08	2.05	2.02	1.99	1.97
35	4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11	2.07	2.04	2.01	1.99	1.96
36	4.11	3.26	2.87	2.63	2.48	2.36	2.28	2.21	2.15	2.11	2.07	2.03	2.00	1.98	1.95
37	4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	2.06	2.02	2.00	1.97	1.95
38	4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.99	1.96	1.94
39	4.09	3.24	2.85	2.61	2.46	2.34	2.26	2.19	2.13	2.08	2.04	2.01	1.98	1.95	1.93
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.04	2.00	1.97	1.95	1.92
41	4.08	3.23	2.83	2.60	2.44	2.33	2.24	2.17	2.12	2.07	2.03	2.00	1.97	1.94	1.92
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.03	1.99	1.96	1.94	1.91
43	4.07	3.21	2.82	2.59	2.43	2.32	2.23	2.16	2.11	2.06	2.02	1.99	1.96	1.93	1.91
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.95	1.92	1.90
45	4.06	3.20	2.81	2.58	2.42	2.31	2.22	2.15	2.10	2.05	2.01	1.97	1.94	1.92	1.89