

	Talep No	TN-2019-0026
	Rapor No	SPFR.00026
	Rapor Tarihi	17.04.2019
	Sayfa No	/2

NUMUNE BİLGİLERİ			
İleten Referans Firma	Pim Eğitim ve Danışmanlık Hiz. Tic. Ltd. Şti.		
İleten Referans Yetkili	Yeliz Karakaş		
Firma Adı	BioBellinda Kozmetik ve Temizlik Ürn. Pazarlama A.Ş.		
Firma Adresi	Örnek Mh. 35 Cd. No:31 Ataşehir İstanbul		
Firma Yetkilisi /Mail	-		
Numune Türü	Krem	X	Losyon
Numune Miktarı	50 ml Orijinal Ambalaj		
Ambalaj Bilgisi	Glycolic Anti Ageing Gündüz Kremi SPF20+		
Numune Geliş Tarihi	04.04.2019		
NUMUNE ORGANOLEPTİK ANALİZ BULGULARI			
Görünüş	Krem		
Renk	Beyaz		
Koku	Karakteristik		
			Skor (1-4)
Dağılımda Kolaylık	İyi		3
Yağlılık	İyi		3
Yapışkanlık	İyi		3

PİM EĞİTİM ve DANIŞMANLIK
HİZMETLERİ TİC. LTD. ŞTİ.
Göktürk Mahallesi, Çarşı Camii Karşı
1. Ay Isığı Sok. No: 15 Eyüp / İST.
Gaziosmanpaşa V.D. 738 036 7473

1/2

Bu rapor BioBellinda Kozmetik ve Temizlik Ürn. Pazarlama A.Ş.'ye ait Glycolic Anti Ageing Gündüz Kremi SPF20+ isimli numunenin 17.04.2019 tarihinde yapılan SPF in vitro test ölçümü için geçerlidir. Deney sonuçları, ölçüm sırasındaki proses koşullarıyla ilgilidir. Bu rapor laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir. Sonuçlar sadece analiz edilen numune için geçerlidir. This report shall not be reproduced other than in full except with the permission of the laboratory. Testing reports without signature and seal are not valid. The results are only valid for the sample. The sample is considered photostable.

	Talep No	TN-2019-0026
	Rapor No	SPFR.00026
	Rapor Tarihi	17.04.2019
	Sayfa No	/2

ANALYSIS RESULTS			
Analysis Date		17.04.2019	
DEVICE INFORMATION		UV 2000S Transmittance Analyzer / 0818090102	
METHOD		COLIPA 2011, In vitro SPF Determination	
Plate Number		3	
PARAMETER		RESULTS	Limit Value
PMMA1	SPF _{iv} Mean	31,80	≥ 6
	SPF COV	%12,82	-
	UVA/UVB Mean	0,599	-
	Critical wavelength	376,00	≥ 370 nm
PMMA2	SPF _{iv} Mean	27,07	≥ 6
	SPF COV	%9,85	-
	UVA/UVB Mean	0,606	-
	Critical wavelength	376,17	≥ 370 nm
PMMA3	SPF _{iv} Mean	34,49	≥ 6
	SPF COV	%14,68	-
	UVA/UVB Mean	0,589	-
	Critical wavelength	375,58	≥ 370 nm
PMMA (AVG.)	SPF _{iv} Mean	31,12	≥ 6
	SPF COV	%12,08	-
	UVA/UVB Mean	0,598	-
	Critical wavelength	375,92	≥ 370 nm
Evaluation	31,12 ≥ 30; High Protection Level*		

*DRUG AND MEDICAL DEVICES AGENCY OF TURKEY, GUIDELINE FOR SUN PROTECTIVE COSMETIC PRODUCTS

SPF iv: Sun Protection Factor In vitro

EKLER:

- 1) Cihaz Çıktısı Ölçüm Raporu
- 2) % Transmittance Grafiği (PMMA1, PMMA2, PMMA3)

PİM EĞİTİM ve DANIŞMANLIK
HİZMETLERİ TİC. LTD. ŞTİ.
Göktürk Mesk. 11. Camlik Cad.
1. Ay Isik Sk. No: 15 Eyüp / İST.
Gaziosmanpaşa / T.C. 750 030 7475

Bu rapor BioBellinda Kozmetik ve Temizlik Ürn. Pazarlama A.Ş.'ye ait Glycolic Anti Ageing Gündüz Kremi SPF20+isimli numunenin 17.04.2019 tarihinde yapılan SPF in vitro test ölçümü için geçerlidir. Deney sonuçları, ölçüm sırasındaki proses koşullarıyla ilgilidir. Bu rapor laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir. Sonuçlar sadece analiz edilen numune için geçerlidir. This report shall not be reproduced other than in full except with the permission of the laboratory. Testing reports without signature and seal are not valid. The results are only valid for the sample. The sample is considered photostable.

Labsphere Transmittance Analyzer SPF Report

Sample: Anti-Ageing Gündüz Kremi SPF20+
Description: In vitro Determination for Sun Protection Factor

Operator: BY
Client: BioBellinda
Comment: No Comment
Date: 17.04.2019 09:40:10
Unit serial number: 0818090102
Solar Irradiance Profile: COLIPA, 2011
UVA/UVB ratio calculation used: Labsphere Method

Study Statistics

	SPF	T(UVA)	T(UVB)	Lambda	Critical
Number of Sets:	3	3	3	3	3
Mean:	31,12	17,67%	2,90%	375,92	
STD:	3,76	0,42%	0,39%	0,30	
COV:	12,08%	2,39%	13,48%	0,08%	

UVA/UVB Ratio: 0,598

PMMA1

	SPF	T(UVA)	T(UVB)	Lambda	Critical
Number of Scans:	12	12	12	12	12
Mean:	31,80	17,32%	2,81%	376,00	
STD:	4,08	0,81%	0,39%	0,00	
COV:	12,82%	4,70%	13,74%	0,00%	

UVA/UVB Ratio: 0,599

Scan	SPF	Critical Wavelength
Scan 1	38,12	376
Scan 2	38,02	376
Scan 3	36,65	376
Scan 4	32,71	376
Scan 5	32,26	376
Scan 6	30,31	376
Scan 7	31,13	376
Scan 8	30,65	376
Scan 9	30,80	376
Scan 10	28,68	376
Scan 11	26,31	376
Scan 12	25,91	376

PİM EĞİTİM ve DANIŞMANLIK
HİZMETLERİ TİC. LTD. ŞTİ.
Göktürk Mahallesi, Çamlık Cad.
1. Ay Isığı Sk. Kat: 15 Eyüp / İST.
Gaziosmanpaşa V.D. 730 036 7475

PMMA2

	SPF	T(UVA)	T(UVB)	Lambda	Critical
Number of Scans:	12	12	12	12	12
Mean:	27,07	18,14%	3,33%	376,17	

STD: 2,67 0,28% 0,33% 0,39
COV: 9,85% 1,52% 9,84% 0,10%

UVA/UVB Ratio: 0,606

Scan	SPF	Critical Wavelength
Scan 1	27,08	376
Scan 2	26,35	376
Scan 3	25,75	376
Scan 4	31,51	376
Scan 5	33,29	376
Scan 6	24,81	376
Scan 7	27,48	376
Scan 8	26,32	376
Scan 9	26,36	376
Scan 10	26,26	376
Scan 11	25,12	377
Scan 12	24,48	377

PMMA3

	SPF	T(UVA)	T(UVB)	Lambda Critical
Number of Scans:	12	12	12	12
Mean:	34,49	17,55%	2,57%	375,58
STD:	5,06	1,26%	0,37%	0,51
COV:	14,68%	7,15%	14,48%	0,14%

UVA/UVB Ratio: 0,589

Scan	SPF	Critical Wavelength
Scan 1	32,55	376
Scan 2	41,24	376
Scan 3	29,03	375
Scan 4	29,40	376
Scan 5	37,31	376
Scan 6	43,03	376
Scan 7	40,29	376
Scan 8	28,90	376
Scan 9	31,58	375
Scan 10	35,98	375
Scan 11	29,96	375
Scan 12	34,67	375

PİM EĞİTİM ve DANIŞMANLIK
HİZMETLERİ TİC. LTD. ŞTİ.
Göktenir Mahallesi, Çamlık Cad.
1. Ay Işığı Sk. No: 15 Eyüp / İST.
Gaziosmanpaşa / Q. 730 030 7475

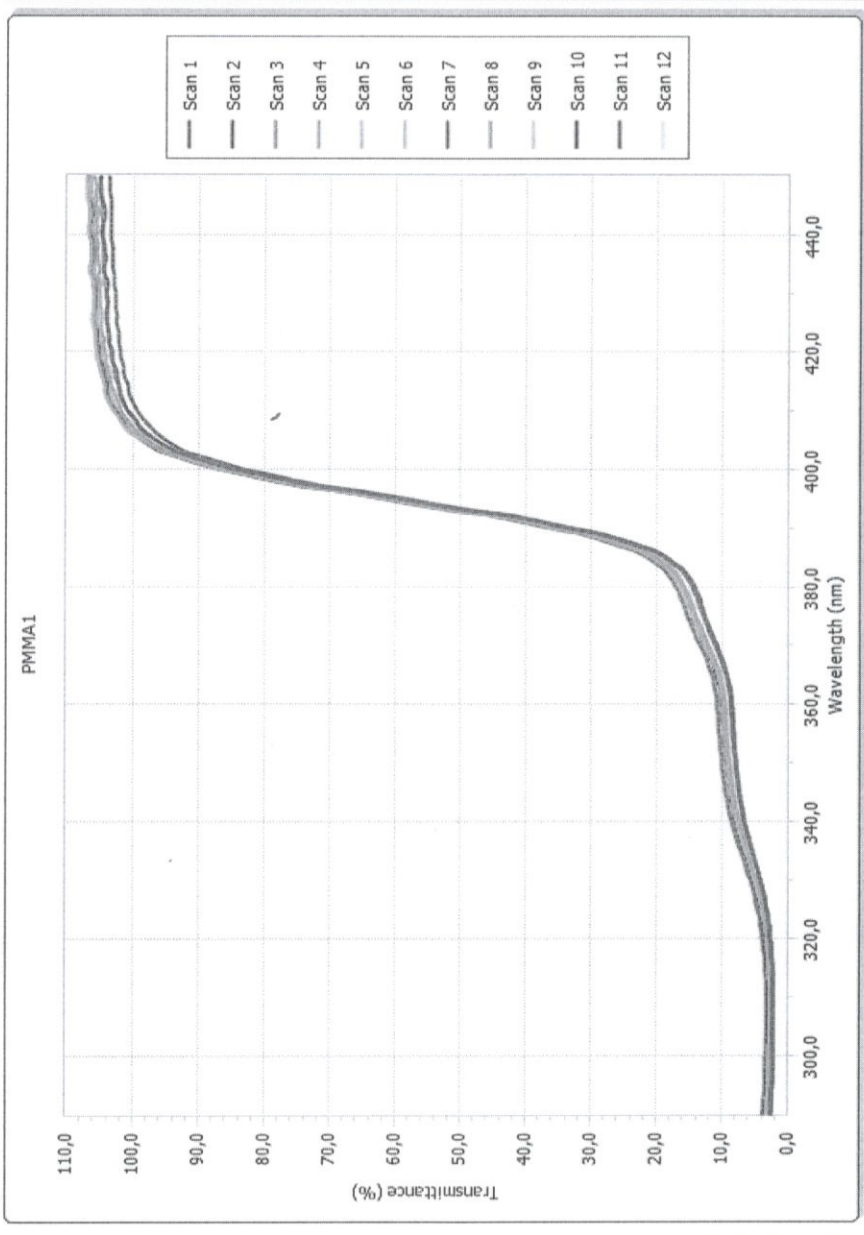
Scan 1 Data

SPF 38,12
 UVA/UVB Ratio 0,600
 Lambda Critical 376

Wavelength	Transmittance (%)
250	12,7012
251	10,0783
252	9,1350
253	9,0141
254	9,6426
255	9,0205
256	8,1969
257	8,2241
258	7,4990
259	7,2011
260	7,1217

PMMA1 Data

SPF Mean 31,80
 SPF STD 4,08
 SPF COV 12,82%
 UVA/UVB Ratio Mean 0,599
 UVA/UVB Ratio STD 0,003
 UVA/UVB Ratio COV 0,58%
 Ratio Calculation Labsphere Method



Scan Sets

- Bio.Anti-Ageing.Method.uv2
 - PMMA1
 - Scan 1
 - Scan 2
 - Scan 3
 - Scan 4
 - Scan 5
 - Scan 6
 - Scan 7
 - Scan 8
 - Scan 9
 - Scan 10
 - Scan 11
 - Scan 12
 - PMMA2
 - Scan 1
 - Scan 2
 - Scan 3
 - Scan 4
 - Scan 5
 - Scan 6
 - Scan 7
 - Scan 8
 - Scan 9
 - Scan 10
 - Scan 11
 - Scan 12
 - PMMA3
 - Scan 1
 - Scan 2
 - Scan 3
 - Scan 4
 - Scan 5

Scan 1 Data

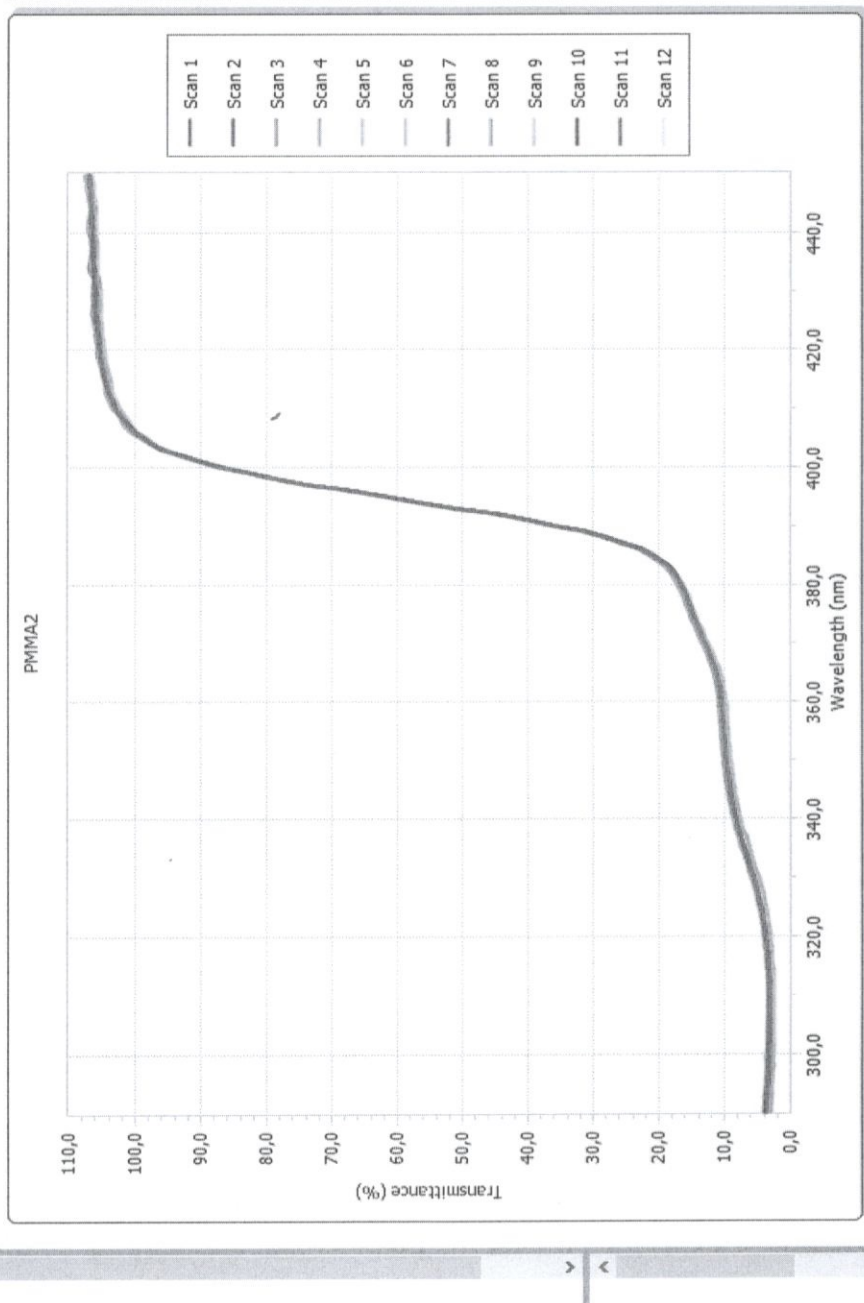
Wavelength	Transmittance (%)
250	21,9614
251	13,3694
252	12,2828
253	11,4738
254	12,5606
255	11,0903
256	11,5025
257	10,3871
258	9,8897
259	9,4164
260	9,3088

PMMA2 Data

SPF Mean	27,07
SPF STD	2,67
SPF COV	9,85%
UVA/UVB Ratio Mean	0,606
UVA/UVB Ratio STD	0,009
UVA/UVB Ratio COV	1,41%

Ratio Calculation

LabSphere Method



Scan Sets

- Bio.Anti-Ageing.Method.uv2
 - PMMA1
 - Scan 1
 - Scan 2
 - Scan 3
 - Scan 4
 - Scan 5
 - Scan 6
 - Scan 7
 - Scan 8
 - Scan 9
 - Scan 10
 - Scan 11
 - Scan 12
 - PMMA2
 - Scan 1
 - Scan 2
 - Scan 3
 - Scan 4
 - Scan 5
 - Scan 6
 - Scan 7
 - Scan 8
 - Scan 9
 - Scan 10
 - Scan 11
 - Scan 12
 - PMMA3
 - Scan 1
 - Scan 2
 - Scan 3
 - Scan 4
 - Scan 5

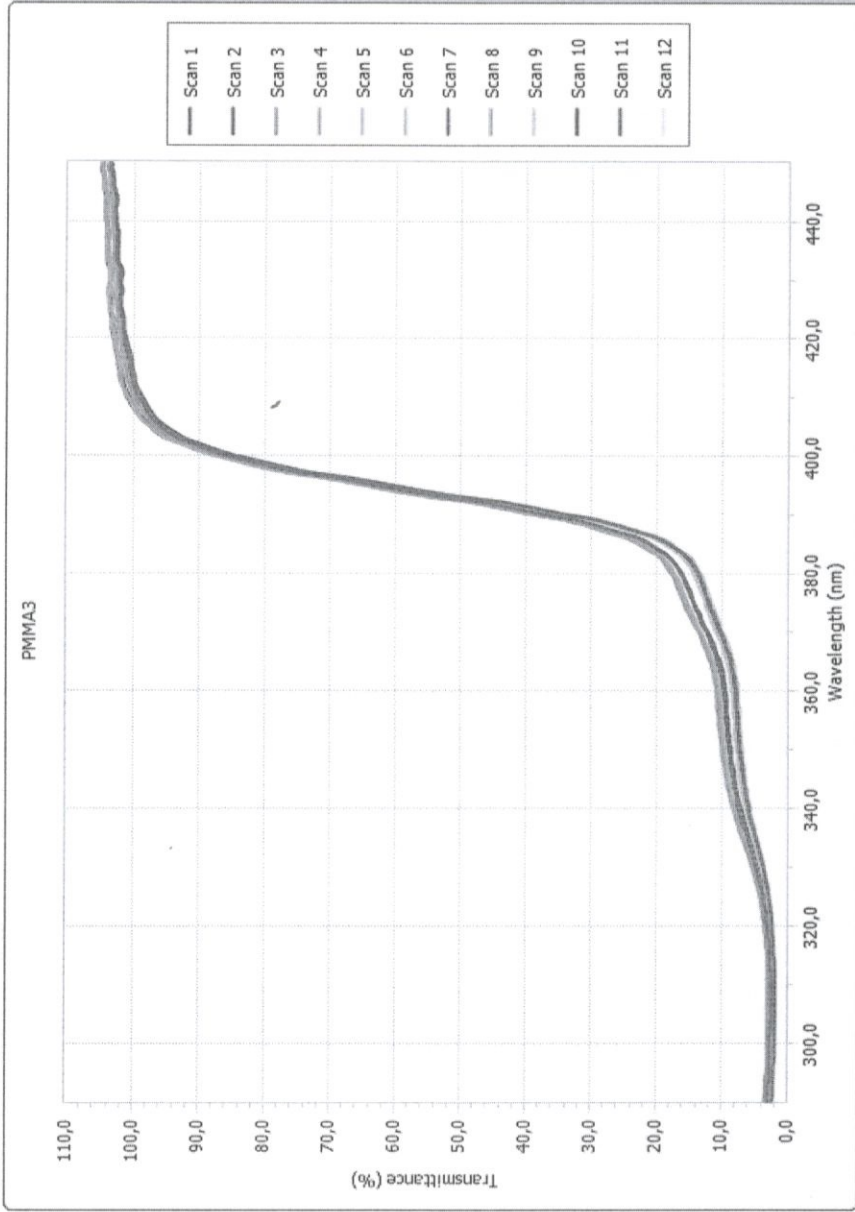
Scan 1 Data

SPF 32,55
 UVA/UVB Ratio 0,588
 Lambda Critical 376

Wavelength	Transmittance (%)
250	19,9806
251	9,8401
252	10,9512
253	10,8907
254	11,2994
255	10,5079
256	9,9564
257	9,4324
258	8,2041
259	8,3482
260	8,4069

PMMA3 Data

SPF Mean 34,49
 SPF STD 5,06
 SPF COV 14,68%
 UVA/UVB Ratio Mean 0,589
 UVA/UVB Ratio STD 0,010
 UVA/UVB Ratio COV 1,63%
 Ratio Calculation Labsphere Method



Scan Sets

- Bio.Anti-Ageing.Method.uv2
 - PMMA1
 - Scan 1
 - Scan 2
 - Scan 3
 - Scan 4
 - Scan 5
 - Scan 6
 - Scan 7
 - Scan 8
 - Scan 9
 - Scan 10
 - Scan 11
 - Scan 12
 - PMMA2
 - Scan 1
 - Scan 2
 - Scan 3
 - Scan 4
 - Scan 5
 - Scan 6
 - Scan 7
 - Scan 8
 - Scan 9
 - Scan 10
 - Scan 11
 - Scan 12
 - PMMA3
 - Scan 1
 - Scan 2
 - Scan 3
 - Scan 4
 - Scan 5

Device Status: Connected Blank Scan Status: Complete Default Blank Scan: Complete: 3 Locations Ready...