



CENTRE FOR CRUELTY-FREE TESTING (CCFT) (MGCTS Meerut)

FIST Centre Sponsored by DST, Government of India
(ISO 9001:2015; 14001:2015, OECD Compliant)

BLUE LIGHT PROTECTION- VISIBLE AND IR LIGHT TRANSMITTANCE ANALYSIS OF NIA SUNSCREEN W225

SPONSOR

PUREPLAY SKIN SCIENCES PVT LTD

CLINICAL RESEARCH ORGANIZATION

MITTAL GLOBAL CLINICAL TRIAL SERVICES (MGCTS)

TEST LABORATORY

Centre for Cruelty-Free Testing, MGCTS Meerut
Mittal Building, 121-B, Mansoravar Industrial Estate, Bagpat Road, Meerut, U.P. – 250005

PROJECT NO	: CCFT-2025-07-1619
REPORT NO.	: DERM/CCFT/2025-07/1619/BL
DATE	: 07-08-2025



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1. STATEMENT OF COMPLIANCE

I, the undersigned hereby declare that **Project No. CCFT-2025-08-1619 Report No. DERM/CCFT/2025-08/1619 BL**; entitled "**BLUE LIGHT PROTECTION- VISIBLE AND IR LIGHT TRANSMITTANCE ANALYSIS**" was performed in accordance with the standard procedure of Centre for Cruelty-Free Testing, MIET Meerut, UP, as well as the approved study plan.

I hereby attest to the authenticity of the study and guarantee that this report is a true and accurate record of the results obtained and shall not be reproduced except in full, without the written approval of the sponsor.

All original raw data including documentation, the draft report, a copy of the final report, and the representative test sample are archived at CCFT, Mittal Building, 121-B, Mansoravar Industrial Estate, Bagpat Road, Meerut – 250005, India for a period of nine years. There were no circumstances that may have affected the Quality and Integrity of the study.

The sponsor of the study is responsible for the necessary evaluation of the test sample concerning the chemicals, purity, identity, stability, and other required data.

Principal Investigator

Ms. Anshika Chaudhary (M.Pharm)

07-08-2025

Date



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2. STATEMENT BY TEST FACILITY MANAGEMENT

Management of the test facility has made available all the resources to the Principal Investigator necessary for the conduct of the present study in compliance with the principles of GLP.

I, the undersigned, take overall responsibility for the reliability of the work described in the report in accordance to GLP.

Laboratory Scientist

Ms. Anshika Chaudhary (M. Pharm)

07-08-2025

Date



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3. QUALITY ASSURANCE REPORT

Project No. CCFT-2025-08-1619 Report No. DERM/CCFT/2025-08/1619/BL Entitled "BLUE LIGHT PROTECTION-VISIBLE AND IR LIGHT TRANSMITTANCE ANALYSIS" Was Subjected to Inspection by Quality Assurance Unit.

This report had been audited by the quality assurance unit and is considered an accurate account of the data generated and of the procedures followed. In each case, the outcome of the QA evaluation is reported to the principal investigator and management on the day of evaluation. Audits of study documentation, and process inspections appropriate to the type and schedule of this study were as follows:

Standard Test Method Compliance Audit : 01-08-2025
Test Material Preparation : 06-08-2025
Date of Testing : 06-08-2025
Draft Report Audit : 06-08-2025
Final Report Date : 07-08-2025

QUALITY ASSURANCE OFFICER

Ms. Nidhi Dixit (M.Pharm)

07-08-2025

Date



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4. STUDY PERSONNEL

Principle Investigator : Ms. Anshika Chaudhary (M Pharm)

Co- Principle Investigator : Ms. Sheetal (M.Sc)

Study Managers : Ms. Nidhi Dixit (M.Pharm)

: Ms. Anshika Chaudhary (M.Pharm)





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5. INTRODUCTION, METHOD & RESULT

The test is based on the assessment of Visible Light and Infrared Light transmittance through a thin film of product sample spread on a roughened substrate.

A. **Purpose of the Study:**

To Study the Blue Light Protection with complete Visible and Infrared Light Transmittance Analysis.

MATERIAL:

- Instruments: Double Beam UV-VIS Spectrophotometer, Balance.
- Chemicals: Distilled water.
- Miscellaneous: PMMA plates, Paper towel, Pipette.

METHOD:

Blank Plate Preparation

- Both sides of the PMMA plate were washed under clear, cold distilled water and the plate was blotted dry with a paper towel.
- The PMMA plate was then scanned and the transmittance results were ensured as 100%.
- After achieving the transmittance limit, the blank scan was taken and the sample plate was prepared.



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Sample plate preparation

- Both sides of the PMMA plate were washed under clear, cold distilled water and the plate was blotted dry with a paper towel.
- The PMMA plate was placed onto the analytical balance with the roughened side up and the weight was recorded.
- Using a pipette, a number of small droplets of the sample were applied onto the clean plate distributed evenly over the roughened surface with the application rate of 1.3 mg/cm² i.e., 6.5 mg for a 10 x 50 mm plate.
- The plate was removed from the analytical balance and sample was spread across the entire surface of the plate evenly with a pre-saturated finger.
- Spreading was completed in two phase's process. First, the product was distributed over the whole area as quickly as possible (less than 30 seconds) using small circular motions with minimal pressure. Then the sample was rubbed on the plate surface using alternating horizontal and vertical strokes with increased moderate pressure. The second phase was completed in 20 to 30 sec.
- When the sample was spread evenly with no gaps, smears or excess product buildup, this treated sample was then allowed to equilibrate for at least 15 minutes in the dark at ambient temperature to help facilitate formation of a standard stabilized product film.

Operating Procedure

- Initially blank plate was scanned using a double beam UV-VIS Spectrophotometer.
- Then sample plate was scanned for Transmittance data.

Calculation:



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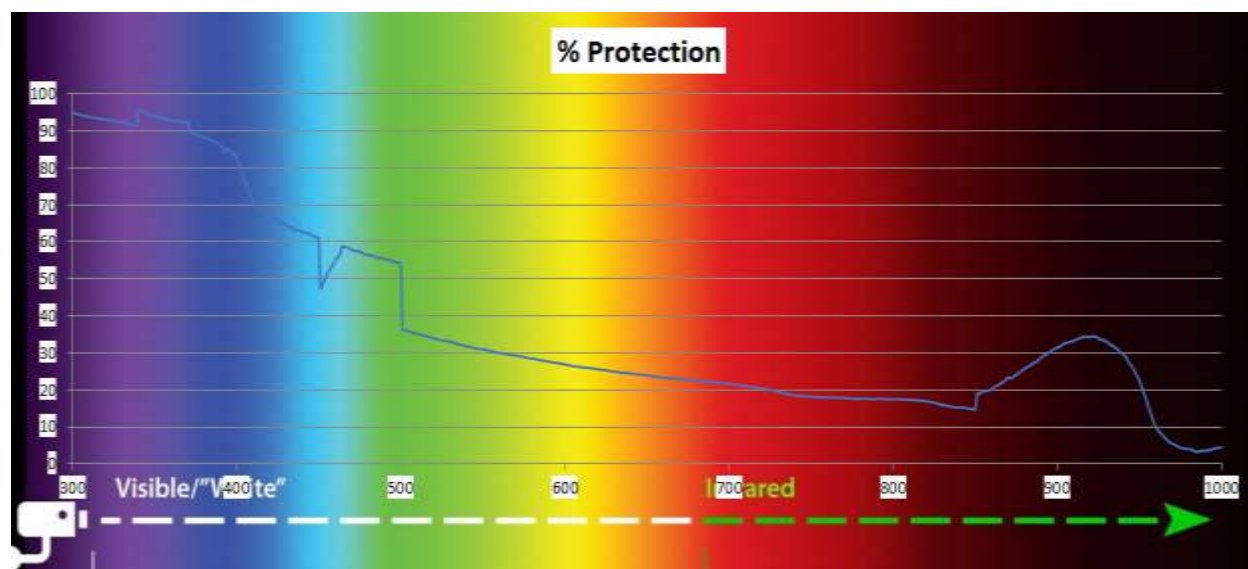
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The % Protection= 100 - %Transmittance

RESULT:



S. No	Light/Wavelength Range	%Protection(Mean)
1	Blue Light (400-500)	61.46%
2	Visible Light (400-700)	38.94%
3	Infrared Light(750-1000)	19.44%

INTERPRETATION:

- 1) It prevents Most of the blue light (400-500): 61.46% from reaching the skin
- 2) It prevent some of the visible light (400-700): 38.94% from reaching the skin
- 3) It prevent very less of the IR light (750-1000): 19.44% from reaching the skin



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6. ARCHIVE

On completion of the study, the study plan, experiment data, raw data, documentation, and a copy of the final report (DERM/CCFT/2025-08/1619/BL) are retained in the Institute's Archives at CCFT, Mittal Building, 121-B, Mansoravar Industrial Estate, Bagpat Road, Meerut – 250005, India for a period of nine years.





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7. ANNEXURE – II: RAW DATA

Operator	Anshika		
Scan From	1000.0nm		
Scan To	400.0nm		
Scan Step	1.0nm		
WL(nm)	Abs	Transmittance %	% Protection
190	2.7115	0.19	99.81
191	2.9415	0.11	99.89
192	3.1187	0.08	99.92
193	3.2472	0.06	99.94
194	3.3397	0.05	99.95
195	3.4493	0.04	99.96
196	3.5833	0.03	99.97
197	3.6844	0.02	99.98
198	3.7573	0.02	99.98
199	3.8246	0.01	99.99
200	3.8867	0.01	99.99
201	3.9449	0.01	99.99
202	3.9957	0.01	99.99
203	4.0416	0.01	99.99
204	4.0808	0.01	99.99
205	3.8423	0.01	99.99
206	3.9078	0.01	99.99
207	3.9686	0.01	99.99
208	4.0243	0.01	99.99
209	4.0772	0.01	99.99
210	4.1255	0.01	99.99
211	4.171	0.01	99.99
212	4.2139	0.01	99.99



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213	4.2542	0.01	99.99
214	4.2924	0.01	99.99
215	4.327	0	100
216	4.3596	0	100
217	4.3888	0	100
218	4.4161	0	100
219	4.4408	0	100
220	4.4635	0	100
221	4.4845	0	100
222	4.5042	0	100
223	4.5229	0	100
224	4.541	0	100
225	4.5684	0	100
226	4.6053	0	100
227	4.612	0	100
228	3.5771	0.03	99.97
229	3.1098	0.08	99.92
230	2.8745	0.13	99.87
231	2.6585	0.22	99.78
232	2.4898	0.32	99.68
233	2.3916	0.41	99.59
234	2.2917	0.51	99.49
235	2.2258	0.59	99.41
236	2.1578	0.7	99.3
237	2.1008	0.79	99.21
238	2.0539	0.88	99.12
239	2.0066	0.98	99.02
240	1.9725	1.07	98.93
241	1.9444	1.14	98.86
242	1.9138	1.22	98.78
243	1.8999	1.26	98.74
244	1.8869	1.3	98.7
245	1.8764	1.33	98.67



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246	1.8784	1.32	98.68
247	1.8896	1.29	98.71
248	1.8928	1.28	98.72
249	1.9063	1.24	98.76
250	1.9192	1.2	98.8
251	1.939	1.15	98.85
252	1.9592	1.1	98.9
253	1.985	1.04	98.96
254	2.0224	0.95	99.05
255	2.0527	0.89	99.11
256	2.0754	0.84	99.16
257	2.1036	0.79	99.21
258	2.1337	0.74	99.26
259	2.1581	0.69	99.31
260	2.1877	0.65	99.35
261	2.224	0.6	99.4
262	2.2066	0.62	99.38
263	2.2153	0.61	99.39
264	2.2185	0.6	99.4
265	2.2129	0.61	99.39
266	2.1729	0.67	99.33
267	2.1446	0.72	99.28
268	2.1355	0.73	99.27
269	2.1079	0.78	99.22
270	2.0895	0.81	99.19
271	2.0607	0.87	99.13
272	1.8978	1.27	98.73
273	1.8292	1.48	98.52
274	1.7783	1.67	98.33
275	1.7247	1.88	98.12
276	1.6762	2.11	97.89
277	1.65	2.24	97.76
278	1.6271	2.36	97.64



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279	1.5955	2.54	97.46
280	1.5775	2.65	97.35
281	1.5643	2.73	97.27
282	1.5509	2.81	97.19
283	1.5406	2.88	97.12
284	1.5274	2.97	97.03
285	1.5252	2.98	97.02
286	1.5136	3.06	96.94
287	1.4973	3.18	96.82
288	1.4956	3.19	96.81
289	1.4887	3.25	96.75
290	1.4765	3.34	96.66
291	1.457	3.49	96.51
292	1.4461	3.58	96.42
293	1.4305	3.71	96.29
294	1.4092	3.9	96.1
295	1.3915	4.06	95.94
296	1.3761	4.21	95.79
297	1.3578	4.39	95.61
298	1.3415	4.55	95.45
299	1.3217	4.77	95.23
300	1.3086	4.91	95.09
301	1.2954	5.06	94.94
302	1.2797	5.25	94.75
303	1.2655	5.43	94.57
304	1.2553	5.56	94.44
305	1.2462	5.67	94.33
306	1.2338	5.84	94.16
307	1.2281	5.91	94.09
308	1.2252	5.95	94.05
309	1.217	6.07	93.93
310	1.2106	6.16	93.84
311	1.2012	6.29	93.71



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312	1.1971	6.35	93.65
313	1.196	6.37	93.63
314	1.1869	6.5	93.5
315	1.179	6.62	93.38
316	1.1806	6.6	93.4
317	1.1782	6.63	93.37
318	1.1722	6.73	93.27
319	1.1676	6.8	93.2
320	1.1642	6.85	93.15
321	1.1658	6.83	93.17
322	1.1581	6.95	93.05
323	1.1524	7.04	92.96
324	1.1467	7.13	92.87
325	1.1443	7.17	92.83
326	1.1436	7.18	92.82
327	1.138	7.28	92.72
328	1.1316	7.39	92.61
329	1.1251	7.5	92.5
330	1.1189	7.6	92.4
331	1.1151	7.67	92.33
332	1.107	7.82	92.18
333	1.1011	7.92	92.08
334	1.0946	8.04	91.96
335	1.0902	8.12	91.88
336	1.0798	8.32	91.68
337	1.0751	8.41	91.59
338	1.0683	8.54	91.46
339	1.0638	8.63	91.37
340	1.3867	4.1	95.9
341	1.3913	4.06	95.94
342	1.3428	4.54	95.46
343	1.327	4.71	95.29
344	1.3062	4.94	95.06



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345	1.3059	4.94	95.06
346	1.2668	5.41	94.59
347	1.2538	5.57	94.43
348	1.2457	5.68	94.32
349	1.2378	5.78	94.22
350	1.2352	5.82	94.18
351	1.2175	6.06	93.94
352	1.2075	6.2	93.8
353	1.1982	6.34	93.66
354	1.1963	6.36	93.64
355	1.1851	6.53	93.47
356	1.1725	6.72	93.28
357	1.1546	7	93
358	1.1598	6.92	93.08
359	1.1599	6.92	93.08
360	1.1494	7.09	92.91
361	1.1531	7.03	92.97
362	1.1351	7.33	92.67
363	1.1401	7.24	92.76
364	1.1404	7.24	92.76
365	1.1266	7.47	92.53
366	1.1337	7.35	92.65
367	1.1173	7.63	92.37
368	1.1203	7.58	92.42
369	1.1166	7.65	92.35
370	1.1304	7.41	92.59
371	0.9962	10.09	89.91
372	0.9859	10.33	89.67
373	0.973	10.64	89.36
374	0.9718	10.67	89.33
375	0.9659	10.82	89.18
376	0.9577	11.02	88.98
377	0.9521	11.17	88.83



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378	0.945	11.35	88.65
379	0.9394	11.5	88.5
380	0.9346	11.63	88.37
381	0.927	11.83	88.17
382	0.9192	12.04	87.96
383	0.9147	12.17	87.83
384	0.9065	12.4	87.6
385	0.9021	12.53	87.47
386	0.897	12.68	87.32
387	0.886	13	87
388	0.8802	13.18	86.82
389	0.8692	13.51	86.49
390	0.8561	13.93	86.07
391	0.8414	14.41	85.59
392	0.8234	15.02	84.98
393	0.8024	15.76	84.24
394	0.8304	14.78	85.22
395	0.8219	15.07	84.93
396	0.8133	15.37	84.63
397	0.7996	15.86	84.14
398	0.7813	16.54	83.46
399	0.8007	15.82	84.18
400	0.766	17.14	82.86
401	0.7315	18.56	81.44
402	0.7	19.95	80.05
403	0.6706	21.35	78.65
404	0.643	22.75	77.25
405	0.6174	24.13	75.87
406	0.5986	25.2	74.8
407	0.5805	26.27	73.73
408	0.5637	27.31	72.69
409	0.5518	28.07	71.93
410	0.5407	28.79	71.21



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CRO : MITTAL GLOBAL CLINICAL TRIAL SERVICES (MGCTS)
STUDY : BLUE LIGHT PROTECTION- VISIBLE AND IR LIGHT TRANSMITTANCE ANALYSIS
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411	0.5323	29.36	70.64
412	0.5234	29.96	70.04
413	0.517	30.41	69.59
414	0.5121	30.75	69.25
415	0.5076	31.07	68.93
416	0.5021	31.47	68.53
417	0.4973	31.82	68.18
418	0.4932	32.12	67.88
419	0.4875	32.55	67.45
420	0.4822	32.95	67.05
421	0.4776	33.3	66.7
422	0.4758	33.43	66.57
423	0.4737	33.6	66.4
424	0.4677	34.06	65.94
425	0.4642	34.34	65.66
426	0.462	34.51	65.49
427	0.4601	34.67	65.33
428	0.4573	34.89	65.11
429	0.4539	35.16	64.84
430	0.4512	35.39	64.61
431	0.4496	35.51	64.49
432	0.4458	35.83	64.17
433	0.4452	35.88	64.12
434	0.4411	36.22	63.78
435	0.4357	36.67	63.33
436	0.4348	36.74	63.26
437	0.4349	36.74	63.26
438	0.4333	36.87	63.13
439	0.4295	37.19	62.81
440	0.4284	37.29	62.71
441	0.4286	37.28	62.72
442	0.4267	37.44	62.56
443	0.4254	37.55	62.45



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444	0.4225	37.8	62.2
445	0.4192	38.09	61.91
446	0.417	38.28	61.72
447	0.415	38.46	61.54
448	0.4125	38.68	61.32
449	0.4111	38.81	61.19
450	0.4099	38.92	61.08
451	0.279	52.6	47.4
452	0.287	51.64	48.36
453	0.295	50.7	49.3
454	0.3037	49.69	50.31
455	0.3114	48.82	51.18
456	0.3184	48.04	51.96
457	0.3253	47.29	52.71
458	0.3323	46.53	53.47
459	0.3388	45.83	54.17
460	0.3464	45.04	54.96
461	0.3519	44.47	55.53
462	0.3584	43.82	56.18
463	0.3635	43.3	56.7
464	0.3852	41.19	58.81
465	0.384	41.31	58.69
466	0.3841	41.3	58.7
467	0.383	41.4	58.6
468	0.3806	41.63	58.37
469	0.3787	41.82	58.18
470	0.3753	42.14	57.86
471	0.3731	42.36	57.64
472	0.373	42.36	57.64
473	0.3727	42.39	57.61
474	0.3717	42.49	57.51
475	0.37	42.66	57.34
476	0.3685	42.81	57.19



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477	0.3665	43	57
478	0.3632	43.33	56.67
479	0.3618	43.47	56.53
480	0.3612	43.53	56.47
481	0.3616	43.49	56.51
482	0.3601	43.64	56.36
483	0.3588	43.77	56.23
484	0.3577	43.89	56.11
485	0.3557	44.09	55.91
486	0.3528	44.38	55.62
487	0.3531	44.36	55.64
488	0.3534	44.32	55.68
489	0.3528	44.38	55.62
490	0.3505	44.61	55.39
491	0.3499	44.68	55.32
492	0.3492	44.75	55.25
493	0.3472	44.96	55.04
494	0.3458	45.11	54.89
495	0.3449	45.2	54.8
496	0.3427	45.43	54.57
497	0.3418	45.52	54.48
498	0.3425	45.45	54.55
499	0.3407	45.64	54.36
500	0.34	45.71	54.29
501	0.1958	63.71	36.29
502	0.1951	63.81	36.19
503	0.1942	63.94	36.06
504	0.1932	64.08	35.92
505	0.1921	64.25	35.75
506	0.1918	64.3	35.7
507	0.1904	64.51	35.49
508	0.1898	64.59	35.41
509	0.1887	64.76	35.24



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510	0.1882	64.83	35.17
511	0.1881	64.85	35.15
512	0.1865	65.09	34.91
513	0.1854	65.25	34.75
514	0.1853	65.27	34.73
515	0.1846	65.37	34.63
516	0.1838	65.49	34.51
517	0.1828	65.64	34.36
518	0.1818	65.8	34.2
519	0.181	65.92	34.08
520	0.1802	66.05	33.95
521	0.1791	66.21	33.79
522	0.1786	66.29	33.71
523	0.1777	66.42	33.58
524	0.1773	66.48	33.52
525	0.1768	66.55	33.45
526	0.1761	66.67	33.33
527	0.1753	66.79	33.21
528	0.175	66.83	33.17
529	0.1745	66.91	33.09
530	0.174	66.98	33.02
531	0.1732	67.12	32.88
532	0.1725	67.22	32.78
533	0.1719	67.31	32.69
534	0.1708	67.48	32.52
535	0.1699	67.62	32.38
536	0.1698	67.64	32.36
537	0.1685	67.84	32.16
538	0.1674	68.01	31.99
539	0.1667	68.12	31.88
540	0.1658	68.27	31.73
541	0.1657	68.28	31.72
542	0.1651	68.37	31.63



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543	0.1643	68.49	31.51
544	0.1637	68.6	31.4
545	0.1633	68.66	31.34
546	0.1624	68.8	31.2
547	0.1622	68.83	31.17
548	0.1615	68.94	31.06
549	0.1611	69.01	30.99
550	0.1611	69.01	30.99
551	0.1607	69.07	30.93
552	0.1601	69.17	30.83
553	0.1595	69.26	30.74
554	0.1586	69.41	30.59
555	0.1579	69.52	30.48
556	0.1576	69.56	30.44
557	0.1566	69.73	30.27
558	0.1558	69.85	30.15
559	0.1557	69.87	30.13
560	0.155	69.99	30.01
561	0.1544	70.08	29.92
562	0.1536	70.2	29.8
563	0.1531	70.3	29.7
564	0.1532	70.27	29.73
565	0.1525	70.39	29.61
566	0.152	70.46	29.54
567	0.1517	70.52	29.48
568	0.1514	70.57	29.43
569	0.151	70.63	29.37
570	0.1506	70.7	29.3
571	0.15	70.79	29.21
572	0.1497	70.85	29.15
573	0.1491	70.95	29.05
574	0.1488	70.99	29.01
575	0.1479	71.13	28.87



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576	0.1471	71.27	28.73
577	0.1469	71.31	28.69
578	0.1463	71.4	28.6
579	0.1459	71.47	28.53
580	0.1455	71.54	28.46
581	0.1451	71.59	28.41
582	0.1447	71.66	28.34
583	0.144	71.78	28.22
584	0.1435	71.86	28.14
585	0.1431	71.94	28.06
586	0.1422	72.08	27.92
587	0.1422	72.07	27.93
588	0.1417	72.16	27.84
589	0.141	72.27	27.73
590	0.1406	72.34	27.66
591	0.14	72.44	27.56
592	0.1394	72.54	27.46
593	0.1392	72.57	27.43
594	0.1388	72.64	27.36
595	0.1387	72.66	27.34
596	0.1378	72.81	27.19
597	0.1373	72.9	27.1
598	0.1371	72.92	27.08
599	0.1371	72.94	27.06
600	0.1359	73.12	26.88
601	0.1355	73.2	26.8
602	0.1347	73.33	26.67
603	0.1342	73.42	26.58
604	0.1338	73.48	26.52
605	0.1333	73.58	26.42
606	0.1329	73.64	26.36
607	0.1324	73.72	26.28
608	0.1323	73.74	26.26



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609	0.1318	73.82	26.18
610	0.1317	73.83	26.17
611	0.1314	73.9	26.1
612	0.1311	73.94	26.06
613	0.1304	74.06	25.94
614	0.1303	74.08	25.92
615	0.1303	74.07	25.93
616	0.13	74.13	25.87
617	0.1297	74.18	25.82
618	0.1291	74.29	25.71
619	0.1287	74.35	25.65
620	0.1283	74.43	25.57
621	0.128	74.47	25.53
622	0.1276	74.53	25.47
623	0.1276	74.55	25.45
624	0.1271	74.62	25.38
625	0.1269	74.65	25.35
626	0.1264	74.76	25.24
627	0.1254	74.92	25.08
628	0.1254	74.92	25.08
629	0.1251	74.97	25.03
630	0.1245	75.08	24.92
631	0.1241	75.14	24.86
632	0.1243	75.12	24.88
633	0.124	75.17	24.83
634	0.1232	75.3	24.7
635	0.1229	75.36	24.64
636	0.123	75.33	24.67
637	0.123	75.34	24.66
638	0.1225	75.42	24.58
639	0.1222	75.48	24.52
640	0.1219	75.53	24.47
641	0.1217	75.57	24.43



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642	0.1215	75.59	24.41
643	0.1211	75.67	24.33
644	0.1206	75.76	24.24
645	0.1198	75.89	24.11
646	0.1197	75.9	24.1
647	0.1198	75.89	24.11
648	0.1195	75.94	24.06
649	0.119	76.03	23.97
650	0.1188	76.06	23.94
651	0.1187	76.08	23.92
652	0.1183	76.16	23.84
653	0.1174	76.32	23.68
654	0.1172	76.35	23.65
655	0.117	76.39	23.61
656	0.1165	76.47	23.53
657	0.116	76.55	23.45
658	0.116	76.56	23.44
659	0.1158	76.6	23.4
660	0.1156	76.63	23.37
661	0.1155	76.64	23.36
662	0.1148	76.78	23.22
663	0.1141	76.89	23.11
664	0.1144	76.85	23.15
665	0.1141	76.9	23.1
666	0.1138	76.94	23.06
667	0.1137	76.97	23.03
668	0.1142	76.88	23.12
669	0.1137	76.97	23.03
670	0.1136	76.98	23.02
671	0.1132	77.06	22.94
672	0.1123	77.21	22.79
673	0.1123	77.21	22.79
674	0.1119	77.28	22.72



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675	0.112	77.27	22.73
676	0.1116	77.33	22.67
677	0.1117	77.31	22.69
678	0.1115	77.36	22.64
679	0.1108	77.48	22.52
680	0.1105	77.54	22.46
681	0.1105	77.54	22.46
682	0.1104	77.55	22.45
683	0.11	77.63	22.37
684	0.1099	77.65	22.35
685	0.1095	77.72	22.28
686	0.1089	77.82	22.18
687	0.1086	77.88	22.12
688	0.1086	77.87	22.13
689	0.1087	77.86	22.14
690	0.1083	77.93	22.07
691	0.1085	77.89	22.11
692	0.1079	78	22
693	0.108	77.98	22.02
694	0.1073	78.12	21.88
695	0.1072	78.12	21.88
696	0.1072	78.13	21.87
697	0.1066	78.23	21.77
698	0.1066	78.23	21.77
699	0.1064	78.28	21.72
700	0.1063	78.28	21.72
701	0.1058	78.37	21.63
702	0.105	78.52	21.48
703	0.1049	78.55	21.45
704	0.1047	78.57	21.43
705	0.1041	78.69	21.31
706	0.1041	78.69	21.31
707	0.1039	78.72	21.28



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708	0.1033	78.83	21.17
709	0.1031	78.87	21.13
710	0.1027	78.95	21.05
711	0.1024	79	21
712	0.1016	79.15	20.85
713	0.101	79.25	20.75
714	0.1009	79.27	20.73
715	0.1008	79.28	20.72
716	0.1005	79.35	20.65
717	0.1003	79.38	20.62
718	0.0997	79.49	20.51
719	0.0992	79.58	20.42
720	0.0991	79.61	20.39
721	0.0987	79.67	20.33
722	0.0986	79.69	20.31
723	0.098	79.8	20.2
724	0.0974	79.91	20.09
725	0.097	79.98	20.02
726	0.0965	80.07	19.93
727	0.0963	80.12	19.88
728	0.0957	80.22	19.78
729	0.0949	80.37	19.63
730	0.0942	80.5	19.5
731	0.0938	80.57	19.43
732	0.0931	80.71	19.29
733	0.0927	80.78	19.22
734	0.0918	80.95	19.05
735	0.0913	81.04	18.96
736	0.0907	81.16	18.84
737	0.0902	81.24	18.76
738	0.0897	81.33	18.67
739	0.0895	81.38	18.62
740	0.089	81.46	18.54



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741	0.0886	81.55	18.45
742	0.0887	81.52	18.48
743	0.0889	81.49	18.51
744	0.0886	81.55	18.45
745	0.0881	81.64	18.36
746	0.088	81.66	18.34
747	0.0876	81.73	18.27
748	0.0871	81.82	18.18
749	0.0871	81.83	18.17
750	0.0873	81.79	18.21
751	0.0872	81.81	18.19
752	0.0866	81.92	18.08
753	0.087	81.85	18.15
754	0.0867	81.9	18.1
755	0.0862	82	18
756	0.0859	82.05	17.95
757	0.0864	81.96	18.04
758	0.0865	81.95	18.05
759	0.0859	82.05	17.95
760	0.086	82.03	17.97
761	0.0861	82.02	17.98
762	0.0862	82	18
763	0.0859	82.05	17.95
764	0.0857	82.1	17.9
765	0.0859	82.05	17.95
766	0.0857	82.09	17.91
767	0.0858	82.07	17.93
768	0.0858	82.07	17.93
769	0.0856	82.11	17.89
770	0.0851	82.2	17.8
771	0.0848	82.26	17.74
772	0.0851	82.21	17.79
773	0.0846	82.3	17.7



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774	0.0846	82.3	17.7
775	0.0837	82.46	17.54
776	0.084	82.42	17.58
777	0.0845	82.32	17.68
778	0.0846	82.3	17.7
779	0.0841	82.39	17.61
780	0.0841	82.39	17.61
781	0.0841	82.39	17.61
782	0.0841	82.4	17.6
783	0.084	82.41	17.59
784	0.0842	82.38	17.62
785	0.084	82.41	17.59
786	0.0836	82.49	17.51
787	0.0834	82.53	17.47
788	0.0838	82.46	17.54
789	0.0837	82.47	17.53
790	0.0838	82.44	17.56
791	0.0839	82.43	17.57
792	0.0839	82.44	17.56
793	0.0839	82.43	17.57
794	0.0835	82.5	17.5
795	0.0836	82.49	17.51
796	0.0835	82.51	17.49
797	0.0835	82.52	17.48
798	0.0831	82.58	17.42
799	0.083	82.61	17.39
800	0.0832	82.56	17.44
801	0.0834	82.53	17.47
802	0.0835	82.5	17.5
803	0.0836	82.49	17.51
804	0.083	82.6	17.4
805	0.0831	82.59	17.41
806	0.0833	82.55	17.45



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SPONSOR : PUREPLAY SKIN SCIENCES PVT LTD
CRO : MITTAL GLOBAL CLINICAL TRIAL SERVICES (MGCTS)
STUDY : BLUE LIGHT PROTECTION- VISIBLE AND IR LIGHT TRANSMITTANCE ANALYSIS
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807	0.083	82.61	17.39
808	0.0829	82.62	17.38
809	0.0828	82.64	17.36
810	0.0828	82.63	17.37
811	0.0829	82.62	17.38
812	0.0823	82.74	17.26
813	0.0823	82.73	17.27
814	0.0822	82.76	17.24
815	0.0819	82.81	17.19
816	0.0811	82.96	17.04
817	0.0813	82.93	17.07
818	0.0813	82.94	17.06
819	0.0807	83.04	16.96
820	0.0803	83.12	16.88
821	0.0805	83.09	16.91
822	0.0799	83.2	16.8
823	0.0793	83.3	16.7
824	0.0791	83.35	16.65
825	0.0788	83.4	16.6
826	0.0782	83.53	16.47
827	0.0772	83.72	16.28
828	0.0765	83.85	16.15
829	0.076	83.94	16.06
830	0.0754	84.06	15.94
831	0.0752	84.1	15.9
832	0.0749	84.16	15.84
833	0.0739	84.36	15.64
834	0.0741	84.32	15.68
835	0.0731	84.52	15.48
836	0.0722	84.68	15.32
837	0.0723	84.66	15.34
838	0.0719	84.74	15.26
839	0.0722	84.67	15.33



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840	0.0718	84.75	15.25
841	0.0715	84.82	15.18
842	0.0714	84.85	15.15
843	0.0713	84.86	15.14
844	0.0713	84.87	15.13
845	0.0709	84.94	15.06
846	0.0702	85.08	14.92
847	0.0699	85.13	14.87
848	0.0699	85.14	14.86
849	0.0696	85.19	14.81
850	0.0694	85.22	14.78
851	0.091	81.11	18.89
852	0.0915	81	19
853	0.0925	80.81	19.19
854	0.0939	80.55	19.45
855	0.0957	80.22	19.78
856	0.0953	80.31	19.69
857	0.0957	80.23	19.77
858	0.0968	80.01	19.99
859	0.0967	80.04	19.96
860	0.0974	79.91	20.09
861	0.1	79.44	20.56
862	0.1025	78.98	21.02
863	0.1026	78.96	21.04
864	0.104	78.7	21.3
865	0.1065	78.26	21.74
866	0.1074	78.08	21.92
867	0.109	77.81	22.19
868	0.1104	77.56	22.44
869	0.1139	76.93	23.07
870	0.1158	76.59	23.41
871	0.1146	76.81	23.19
872	0.1143	76.86	23.14



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873	0.117	76.39	23.61
874	0.1187	76.09	23.91
875	0.1197	75.9	24.1
876	0.1219	75.52	24.48
877	0.124	75.15	24.85
878	0.1258	74.86	25.14
879	0.1275	74.56	25.44
880	0.1292	74.27	25.73
881	0.1309	73.98	26.02
882	0.1325	73.71	26.29
883	0.1337	73.51	26.49
884	0.1354	73.22	26.78
885	0.1378	72.81	27.19
886	0.1394	72.55	27.45
887	0.1396	72.51	27.49
888	0.1422	72.07	27.93
889	0.1452	71.58	28.42
890	0.1473	71.23	28.77
891	0.1493	70.91	29.09
892	0.1511	70.62	29.38
893	0.1526	70.38	29.62
894	0.1541	70.13	29.87
895	0.1559	69.83	30.17
896	0.1576	69.57	30.43
897	0.1598	69.21	30.79
898	0.1615	68.94	31.06
899	0.1633	68.65	31.35
900	0.1642	68.52	31.48
901	0.1651	68.37	31.63
902	0.1665	68.15	31.85
903	0.1686	67.82	32.18
904	0.1712	67.43	32.57
905	0.1721	67.28	32.72



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906	0.1723	67.25	32.75
907	0.1731	67.13	32.87
908	0.1743	66.94	33.06
909	0.175	66.83	33.17
910	0.1762	66.65	33.35
911	0.1775	66.45	33.55
912	0.1788	66.25	33.75
913	0.1801	66.06	33.94
914	0.1812	65.89	34.11
915	0.1821	65.74	34.26
916	0.1831	65.6	34.4
917	0.1835	65.54	34.46
918	0.1827	65.66	34.34
919	0.1821	65.76	34.24
920	0.1833	65.57	34.43
921	0.1836	65.52	34.48
922	0.1834	65.55	34.45
923	0.1834	65.56	34.44
924	0.1827	65.66	34.34
925	0.1799	66.08	33.92
926	0.1783	66.33	33.67
927	0.1775	66.46	33.54
928	0.1772	66.5	33.5
929	0.1759	66.7	33.3
930	0.1741	66.97	33.03
931	0.1719	67.32	32.68
932	0.1692	67.73	32.27
933	0.1686	67.82	32.18
934	0.1664	68.17	31.83
935	0.1644	68.48	31.52
936	0.1624	68.8	31.2
937	0.16	69.18	30.82
938	0.1574	69.59	30.41



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939	0.1552	69.95	30.05
940	0.1533	70.25	29.75
941	0.1501	70.78	29.22
942	0.1464	71.39	28.61
943	0.1412	72.24	27.76
944	0.137	72.94	27.06
945	0.1344	73.39	26.61
946	0.1297	74.18	25.82
947	0.1248	75.02	24.98
948	0.1201	75.84	24.16
949	0.1161	76.54	23.46
950	0.1101	77.6	22.4
951	0.1035	78.79	21.21
952	0.0968	80.02	19.98
953	0.0896	81.36	18.64
954	0.0832	82.57	17.43
955	0.0764	83.87	16.13
956	0.0688	85.34	14.66
957	0.0621	86.67	13.33
958	0.0556	87.99	12.01
959	0.0501	89.11	10.89
960	0.0453	90.09	9.91
961	0.0419	90.8	9.2
962	0.0396	91.29	8.71
963	0.0377	91.69	8.31
964	0.0354	92.18	7.82
965	0.0326	92.77	7.23
966	0.0307	93.18	6.82
967	0.0289	93.57	6.43
968	0.0269	93.99	6.01
969	0.0249	94.42	5.58
970	0.024	94.62	5.38
971	0.0237	94.69	5.31



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972	0.0228	94.89	5.11
973	0.0214	95.2	4.8
974	0.0203	95.43	4.57
975	0.0193	95.66	4.34
976	0.019	95.71	4.29
977	0.0186	95.8	4.2
978	0.0181	95.91	4.09
979	0.0181	95.91	4.09
980	0.018	95.94	4.06
981	0.0175	96.06	3.94
982	0.0168	96.19	3.81
983	0.0157	96.45	3.55
984	0.0144	96.74	3.26
985	0.0141	96.8	3.2
986	0.015	96.61	3.39
987	0.0157	96.45	3.55
988	0.0157	96.45	3.55
989	0.0159	96.41	3.59
990	0.0156	96.47	3.53
991	0.0166	96.26	3.74
992	0.0161	96.37	3.63
993	0.0165	96.27	3.73
994	0.0177	96.01	3.99
995	0.0185	95.84	4.16
996	0.0189	95.73	4.27
997	0.0189	95.75	4.25
998	0.0193	95.66	4.34
999	0.0198	95.54	4.46
1000	0.0198	95.55	4.45