Sample Number	Product details	Fibre identification (percent)			
		IS 667	Report	AATCC 20-A	Report
1	PV3070P45	Polyester 33.4% / Viscose	S2400240	Polyester 32.7% / Viscose 67	S2400272
2	PV5050TU45	Polyester 55.5% / Viscose	S2400241	Polyester 56 % / Viscose 44 %	S2400273
3	PV6040P40	Polyester 65.2% / Viscose	S2400242	Polyester 64.5 % / Viscose 35	S2400274
4	PV7030E50	Polyester 74.0% / Viscose	S2400243	Polyester 74 % / Viscose 26 %	S2400275
5	PV7030P40	Polyester 76.0 % / Viscose	S2400244	Polyester 76 % / Viscose 24 %	S2400276
6	PV8020P35	Polyester 78.3 % / Viscose	S2400245	Polyester 77.6 % / Viscose 22	S2400277
7	PV8020P40	Polyester 79.8 % / Viscose	S2400246	Polyester 79.8 % / Viscose 20	S2400278
8	V100P45	Viscose 100 %	S2400247	Viscose 100 %	S2400279
9	V100P70	Viscose 100 %	S2400248	Viscose 100 %	S2400280
10	PV7030PN035	Polyester 71.0 % / Viscose	S2400249	Polyester 70.7 % / Viscose 29	S2400281
11	V100P50	Viscose 99.9 % / Few trac	S2400250	Viscose 99.9 % / Few traces	S2400282
12	VT7030PN060	Viscose 99.9 % / Polyeste	S2400251	Viscose 99.9 % / Polyester 0.	S2400283
13	T100EB050	Viscose 99.9 % / Polyeste	S2400252	Viscose 99.9% / Polyester 0.1	S2400284
14	VT5050EB044	Viscose 99.9 % / Polyeste	S2400253	Viscose 99.9% / Polyester 0.1	S2400285
15	NOC100A4040	Cotton 99.9% / Polyolefini	S2400254	Cotton 99.9% / Polyolefinic fib	S2400286
16	OC100PN035	Cotton 99.9% / Polyester (	S2400255	Cotton 99.9% / Polyolefinic fib	S2400287
17	PVLM502525PN040	Polyester 72.2% / Viscose	S2400256	Polyester 72.2% / Viscose 27	S2400288

Weight per square metre, g/m2				Abs			
				a) Sinking time, s, Max	Report	b) Water holding capacity, percent, Min	Report
IS 15891 (Part 1)	Report	NWSP 130.1 (20)	Report	IS 15891 (Part 6)			
47.81	P2400455	47.71	P2400475	2.09	P2400455	976.27	P2400455
44.76	P2400458	45.37	P2400476	5.15	P2400458	1138.08	P2400458
40.81	P2400459	42.68	P2400477	5.39	P2400459	947.28	P2400459
51.43	P2400460	50.93	P2400478	6.35	P2400460	1231.67	P2400460
37.9	P2400461	39.05	P2400479	21.21	P2400461	1062.44	P2400461
34.2	P2400462	34.9	P2400480	7.49	P2400462	1104.53	P2400462
42.62	P2400463	43.49	P2400481	13.85	P2400463	981.39	P2400463
46.07	P2400464	45.86	P2400482	1.56	P2400464	975.46	P2400464
76.98	P2400465	75.26	P2400483	1.65	P2400465	813	P2400465
35.9	P2400466	36.75	P2400484	8.33	P2400466	1028.71	P2400466
53.85	P2400467	56.95	P2400485	1.64	P2400467	811.18	P2400467
65.38	P2400468	63.78	P2400486	1.79	P2400468	829.74	P2400468
56.3	P2400469	57.53	P2400487	1.34	P2400469	895.29	P2400469
50.42	P2400470	38.05	P2400488	1.56	P2400470	906.17	P2400470
37.58	P2400471	47.71	P2400489	2.1	P2400471	851.75	P2400471
33.3	P2400472	34.72	P2400490	2.42	P2400472	1008.12	P2400472
43.49	P2400473	44.16	P2400491	7.13	P2400473	624.93	P2400473

orption								
a) Sinking time, s, Max	Report	b) Water holding capacity, percent, Min	Report	a) MD Strength (N)	a) MD Elongation (%)	b) CD Strength (N)	b) CD Elongation (%)	Report
NWSP 10.1				IS 15891 (Part 18)				
2.36	P2400475	997.91	P2400475	61.02	34.01	28.81	96.76	P2400728
4.92	P2400476	1135.84	P2400476	58.31	47	28.28	115.8	P2400729
6.42	P2400477	946.37	P2400477	70.15	56.24	27.57	145.71	P2400730
6.92	P2400478	1166.72	P2400478	81.55	57.88	45.61	122.9	P2400731
32.06	P2400479	1082.8	P2400479	72.55	36.8	37.96	127.46	P2400732
8.87	P2400480	1043.39	P2400480	44.92	67.56	24.71	148.25	P2400733
8.18	P2400481	984.98	P2400481	68.79	58.93	34.14	155.9	P2400734
1.47	P2400482	973.19	P2400482	54.27	26.76	21.45	105.18	P2400735
1.53	P2400483	802	P2400483	115.14	29.03	41.52	103.45	P2400736
10.18	P2400484	1064.33	P2400484	48.08	40.27	22.68	144.2	P2400737
1.68	P2400485	829.07	P2400485	108.92	17.61	37	102.13	P2400738
1.66	P2400486	824.28	P2400486	85.94	19.13	29.67	90.71	P2400739
1.32	P2400487	865.66	P2400487	108.28	21.91	37.83	117.14	P2400740
1.98	P2400488	846.31	P2400488	73.46	27.31	24.63	106.82	P2400741
1.65	P2400489	1017.49	P2400489	39.4	38.8	23.99	108.71	P2400742
2.43	P2400490	1020.99	P2400490	25.45	38.14	13.02	119.42	P2400743
7.21	P2400491	617.49	P2400491	89.33	38.14	46.4	105.21	P2400744

Breaking strength (dry)									
a) MD Strength (N)	a) MD Elongation (%)	b) CD Strength (N)	b) CD Elongation (%)	Report	a) MD Strength (N)	a) MD Elongation (%)	b) CD Strength (N)	b) CD Elongation (%)	Report
IS 15891 (Part 3)					NWSP 130.1 (15) 110.4 (05)				
55.74	26.27	19.61	91.97	P2400694	57.33	22.38	19.78	98.49	P2400711
64.53	35.52	21.95	117.96	P2400695	64.83	38.87	21.75	119.41	P2400712
69.08	39.42	21.22	126.09	P2400696	67.89	37.47	21.86	133.92	P2400713
84.49	39.01	32.22	105.07	P2400697	85.15	38.46	35.12	107.16	P2400714
71.54	37.19	28.87	117.93	P2400698	75.71	32.98	26.92	121.95	P2400715
42.46	48.29	20.1	127.87	P2400699	45.5	49.63	18.24	132.81	P2400716
72.3	42.87	25.22	140.19	P2400700	75.86	44.33	25.62	139.36	P2400717
64.17	19.11	15.93	106.41	P2400701	66.86	19.55	14.69	96.48	P2400718
105.99	24.26	27.31	81.46	P2400702	115.43	24.15	27.95	83.64	P2400719
50.72	50.21	18.48	136.57	P2400703	61.95	37.16	15.63	138.83	P2400720
125.37	15.57	26.04	93.09	P2400704	89.78	16.7	25.66	94.31	P2400721
87.35	18.14	22.83	94.78	P2400705	86.06	17.86	22.44	95.67	P2400722
133.27	19.06	26.27	101.94	P2400706	137.09	17.65	23.86	101.93	P2400723
80.97	20.13	17.44	110.74	P2400707	86.19	20.6	17.38	115.26	P2400724
47.35	24.76	14.91	100.21	P2400708	38.62	26.3	18.44	100.98	P2400725
29.29	25.76	9.82	115.02	P2400709	29.24	24.67	9.83	112.72	P2400726
96.82	26.73	30.96	92.97	P2400710	89.39	25.55	27.77	87.65	P2400727

					Breaking strength (wet), N, Min				
a) MD Strenght (N)	a) MD Elongation (%)	b) CD Strength (N)	b) CD Elongation (%)	Report	a) MD Strength (N)	a) MD Elongation (%)	b) CD Strength (N)	b) CD Elongation (%)	Report
IS 15891 (Part 18)					IS 15891 (Part 3)				
44.7	44.71	22.15	112.17	P2400728	48.3	32.34	14.91	92.86	P2400694
55.97	47.55	30.21	119.29	P2400729	59.1	40.9	20.28	109.57	P2400695
67.38	52.64	27.67	150.8	P2400730	68.15	40.28	20.87	128.17	P2400696
81.59	47.53	42.57	121.83	P2400731	83.34	42.62	35.25	104.17	P2400697
66.39	48.33	37.48	126.13	P2400732	71.19	32.22	24.86	115.6	P2400698
46.03	65.79	23.78	138.4	P2400733	40	52.94	18.6	130.75	P2400699
74.35	57.86	36.48	150.8	P2400734	65.31	44.56	26.51	134.71	P2400700
30.75	32.1	13.75	91.65	P2400735	39.21	30.79	10.29	87.18	P2400701
53.7	36.8	22.02	84.28	P2400736	61.23	30.1	17.75	74.97	P2400702
58.59	41.65	25.51	153.61	P2400737	60.83	36.91	16.39	137.15	P2400703
83.97	21.65	30.42	89.92	P2400738	98.99	18.38	25.8	74.99	P2400704
39.24	22.99	16	70.46	P2400739	20.36	20.46	14.17	75.02	P2400705
87.96	29.43	37.43	99.15	P2400740	122.45	19.11	28.65	86.35	P2400706
53.02	28.46	21.61	96.48	P2400741	61.81	22.92	17.67	88.21	P2400707
47.75	61.35	23.43	128.41	P2400742	43.99	40.11	15.56	108.33	P2400708
22.97	52.78	11.94	124.92	P2400743	26.21	37.73	8.38	112.72	P2400709
91.79	35.46	42.84	114.57	P2400744	86.19	29.16	28.05	100.58	P2400710

a) MD Strength (N)	a) MD Elongation (%)	b) CD Strength (N)	b) CD Elongation (%)	Report	pH	Report
NWSP 130.1 (15) 110.4 (05)					IS 1390	
46.25	32.11	15.63	96.09	P2400711	6.09	S2400221
60.97	42.16	20.89	115.29	P2400712	6.10	S2400222
69.51	38.67	22.13	127.89	P2400713	6.00	S2400223
82.55	45.76	37.87	110.51	P2400714	6.07	S2400224
69.51	36.5	26.02	122.24	P2400715	6.20	S2400225
43.74	54.4	18.94	126.16	P2400716	6.48	S2400226
75.88	44.21	27.33	137.01	P2400717	6.15	S2400227
41.67	31.38	10.31	80.76	P2400718	6.53	S2400228
55.13	30.39	16.99	73.95	P2400719	6.17	S2400229
65.19	39.01	18.4	139.58	P2400720	6.22	S2400230
107.28	18.51	24.58	78.38	P2400721	5.89	S2400231
49.87	19.26	13.1	75.34	P2400722	5.68	S2400232
125.17	18.02	28.3	82.91	P2400723	5.88	S2400233
64.85	21.95	16.72	84.44	P2400724	6.03	S2400234
41.66	42.55	16.16	110.28	P2400725	6.12	S2400235
24.37	38.38	8.33	110.68	P2400726	6.06	S2400236
83.81	29.08	28.8	99.1	P2400727	6.00	S2400237

Welspun Living Limited, Anjar
Advanced Textile Division
Report Summary and Revision Suggestion for IS 17788 2021

To,
Mr. Dharmbeer Yadav Sir
Scientist D/Joint Director,
Bureau of Indian, New Delhi.

Subject: Submission of testing report Summary and Revision Suggestion for IS 17788 2021.

Dear Respected Sir,

Here, We, Welspun Living Limited, here sharing below testing report summary and revision suggestion for IS 17788 2021 Medical Textiles - Nonwoven Fabric for Wipes – Specification.

We, request you to go through below details and consider our inputs / suggestions in committee meeting for discussion. This all details summarized from testing of wide range of non-woven fabric for wipe we cater to domestic and export customers.

Below table shows details about samples picked at the time of BIS Inspection:

Sr.	Inspection, Sampling Date	Test Report Number & Date	Testing Result				Report	Remark
			Characteristics	Requirement	Method of Test, Ref To	Result/ Observation		
1	15th Dec 2023	RJBO-II/67415/20231215/AS/2_1 DATE : 12 Jan, 2024 Lab: SITRA, Coimbatore.	Absorption a) Sinking time, s, Max	5	IS 15891 (Part 6)	7.21 (Seconds) **Non conform**	04 79000429 IS 17788 2021 Spunlac	Fibre identification: Polyester + Viscose % Polyester = 73.5% **Viscose = 26.5%**
2	27th Feb 2024	RJBO-II/69655/20240227/AS/5_1 DATE : 25 Mar, 2024 Lab: SITRA, Coimbatore.	Absorption a) Sinking time, s, Max	5	IS 15891 (Part 6)	3.78 (Seconds) **Pass**	07 79000429 IS 17788 2021 Spunlac	Fibre Identification : Polyester + Viscose % Polyester : 50.6 % **Viscose : 49.4 %**

We did analysis on above testing results for failed and pass testing results.
Found that, current test methods for breaking strength and specifications for Absorption sinking time and breaking strength are differing from standard test method and specification. For same, we completed testing through SITRA, Coimbatore of wide range of samples considering different,

1. Fiber Blend %,
2. Fabric Structure,
3. Fabric GSM, and
4. Brand Owners

Testing done through different Testing standards as mentioned below,

Requirement / Test		Test Methods
Fibre identification (percent)		IS 667
		AATCC 20-A
Weight per square metre, g/m2		IS 15891 (Part 1)
		NWSP 130.1 (20)
Absorption	a) Sinking time, s, Max b) Water holding capacity, percent, Min	IS 15891 (Part 6)
	a) Sinking time, s, Max b) Water holding capacity, percent, Min	NWSP 10.1

Welspun Living Limited, Anjar
Advanced Textile Division
Report Summary and Revision Suggestion for IS 17788 2021

Breaking strength (dry)	a) MD Strength (N) a) MD Elongation (%) b) CD Strength (N) b) CD Elongation (%)	IS 15891 (Part 18)
	a) MD Strength (N) a) MD Elongation (%) b) CD Strength (N) b) CD Elongation (%)	IS 15891 (Part 3)
	a) MD Strength (N) a) MD Elongation (%) b) CD Strength (N) b) CD Elongation (%)	NWSP 130.1 (15) 110.4 (05)
Breaking strength (wet), N, Min	a) MD Strength (N) a) MD Elongation (%) b) CD Strength (N) b) CD Elongation (%)	IS 15891 (Part 18)
	a) MD Strength (N) a) MD Elongation (%) b) CD Strength (N) b) CD Elongation (%)	IS 15891 (Part 3)
	a) MD Strength (N) a) MD Elongation (%) b) CD Strength (N) b) CD Elongation (%)	NWSP 130.1 (15) 110.4 (05)
pH		IS 1390

Here, attaching the summary of test reports received from SITRA Lab,

Spunlace SITRA Result Data.xlsx

Welspun Living Limited, Anjar
Advanced Textile Division
Report Summary and Revision Suggestion for IS 17788 2021

Finally, here we are proposing below revision of specification / requirement for mentioned characteristics,

Sr.	Characteristics	Current	Proposed	Justification
1	iii) Absorption a) Sinking time, s, Max	**Specification** 5 **Test Method** IS 15891 (Part 6)	**Specification** **15**	Standard specified Absorption Sinking time is max 05 seconds, need to be revised as max 15 seconds, considering below, 1. As per above mentioned SITRA Lab test reports, absorption sinking time for fabric containing, 26 % Viscose (i.e. water absorbing fiber), is 07.21 seconds and same for fabric containing 49.4% Viscose fiber is 3.78 seconds. 2. Absorption sinking time is reciprocal function of viscose or water absorbing fiber %. 3. Considering min 20% Viscose or cotton, specified requirement i.e. max 05 seconds is not technically appropriate. 4. Absorption sinking time maximum limit shall be considered, considering minimum viscose or cotton %, i.e. 20%. 5. Based on SITRA lab test report summary table, same need to be revised to max **15** seconds to cover the types of fibers and % blend range as per standard. 6. Above suggestion does not impact the final use and function of the fiber as same is in practice and widely preferred by domestic and export customers.
2	iv) Breaking strength (dry), N, Min a) Machine direction b) Cross direction v) Breaking strength (wet), N, Min a) Machine direction b) Cross direction	**Specification** 30 10 10 03 **Test Method** IS 15891 (Part 18)	**Specification** **15** **05** **07** 03 **Test Method** IS 15891 (Part **03**)	Standard specified test methods for Breaking strength is time is IS15891 (Part 18), need to be revised as IS 15891 (Part 03), considering below, 1. Test method IS 15891 Part 18 is Textile Test Method for Nonwovens for Breaking Strength and Elongation of Nonwoven Materials Using the Grab Tensile Test. 2. Test method IS 15891 Part 03 is Textile Test Method for Nonwovens for Determination of Tensile Strength and Elongation of Nonwoven Materials Using the Strip Method, and is equivalent to ISO 9073 and NWSP 130.1 (15) 110.4 (05). NWSP Test method is widely demanded by Domestic and Export Customers and same is currently used. 3. Both the grab test and the strip test are used to determine the breaking strength of nonwoven fabrics, but the best method depends on the test's requirements. 4. Considering working of test methods, grab test methods grips center of fabric and is often used for clothing. While cut strip method is effective along cut width of sample and often used for fabric used in cut forms, i.e. wipes. 5. Breaking strength limit as minimum shall be considered, considering lowest minimum GSM, i.e. 30, along with % blend of fiber leading to lowest breaking strength. 6. Based on SITRA lab test report summary table, Breaking Strength MD Dry shall be revised to Minimum **15** N and CD to Minimum **05** N, Breaking Strength MD Wet need to be revised to Minimum **07** N. 7. Above suggestion does not impact the final use and function of the fiber as same is in practice and widely preferred by domestic and export customers.

Regards,
Rajeev Chauhan,
General Manager – TQM,
Contact Number 9335014714, Email id rajeev_chauhan@welspun.com
Welspun Living Limited – Advanced Tensile Division, Anjar.

---------- **End of report** ----------

Welspun Living Limited, Anjar
Advanced Textile Division
Report Summary and Revision Suggestion for IS 17787 2021

To,
Mr. Dharmbeer Yadav Sir
Scientist D/Joint Director,
Bureau of Indian, New Delhi.

Subject: Submission of testing report Summary and Revision Suggestion for IS 17787 2021.

Dear Respected Sir,

Here, We, Welspun Living Limited, here sharing below testing report summary and revision suggestion for IS 17787 2021 Medical Textiles - Nonwoven Wipes - Specification.

We, request you to go through below details and consider our inputs / suggestions in committee meeting for discussion. This all details summarized from testing of wide range of non-woven fabric for wipe we cater to domestic and export customers.

Below table shows details about samples picked at the time of BIS Inspection:

Sr.	Inspection, Sampling Date	Test Report Number & Date	Testing Result				Report	Remark
			Characteristics	Requirement	Method of Test, Ref To	Result/ Observation		
1	15th Dec 2023	RJBO-II/67415/20231215/AS/1_1 DATE : 04 Jan, 2024 Lab: SITRA, Coimbatore.	Length and width, mm	As agreed to between the buyer and the seller with a tolerance of ± 1 mm. Length: 200mm Width: 150mm	-	Length: 207mm; Width: 145.2mm **Not Conforms**	04 79000422 IS 17787 Wet wipes - T	Sample: JSBW80WL
2	27th Feb 2024	RJBO-II/69655/20240227/AS/3_1 DATE : 14 Mar, 2024 Lab: SITRA, Coimbatore.	Length and width, mm	As agreed to between the buyer and the seller with a tolerance of ± 1 mm. Length: 200mm Width: 150mm	-	Length: 204.8 mm; Width: 147 mm **Not Conforms**	07 79000422 IS 17787 Wet wipes - T	Sample: HSA72

We did analysis on above testing results for failed testing results. Found that, current wipe dimension and pH specifications which followed and mandated by well established brand owner and differing from the standard specifications.

For same, we completed testing through SITRA, Coimbatore of wide range of samples considering different,

1. Fiber Blend %,
2. Fabric Structure,
3. Fabric GSM, and
4. Brand Owners
5. Production batches

Testing done as per standard Test Methods.

Welspun Living Limited, Anjar
Advanced Textile Division
Report Summary and Revision Suggestion for IS 17787 2021

Here, attaching the summary of test reports received from SITRA Lab,

Batch number	Fabric Blend	Wipes dimensions (length, Width in mm) Not described in BIS Standard							pH (value in number) IS 1390:2022		
		Length (it is cross direction of fabric)			Width (it is machine direction of fabric)			Report Number	Customer Standard	Actual	Report Number
		Actual	Standard	Difference	Actual	Standard	Difference				
BWS2400178	Viscose 100% P45 Plain	203.9	200	3.9	146.6	150	-3.4	P2400573	4.5 - 6.0	6.05	S2400202
BWS2400180	Viscose 100% P45 Plain	210.3	200	10.3	144.5	150	**-5.5**	P2400574	4.5 - 6.0	5.87	S2400203
BWS2400181	Viscose 100% P45 Plain	210.5	200	10.5	146.7	150	-3.3	P2400575	4.5 - 6.0	5.87	S2400204
W2024009	PV7030P45 Plain	204.5	200	4.5	157.9	160	-2.1	P2400579	5.0 - 6.0	6.08	S2400208
W2024013	PV7030P45 Plain	209.7	200	9.7	155.4	160	-4.6	P2400580	5.0 - 6.0	5.96	S2400209
W2024016	PV7030P45 Plain	210.7	200	10.7	155.8	160	-4.2	P2400581	5.0 - 6.0	6.08	S2400210
B003	PV7030P35 Plain	193.7	190	3.7	135.9	140	-4.1	P2400572	3.85 - 4.15	4.58	S2400201
B009	PV5050EMBOSSED50	181.7	180	1.7	179.5	180	-0.5	P2400576	4.5 - 5.0	5.79	S2400205
LWWE043	PV5050P45 Plain	213.1	200	13.1	144.3	150	**-5.7**	P2400380	5.5 - 6.5	5.61	S2400166
LWWE059	PV5050P45 Plain	209.5	200	9.5	146.7	150	-3.3	P2400577	5.5 - 6.5	6.09	S2400206
B0098	PV5050CrissCross 45	222.2	200	22.2	133.9	140	**-6.1**	P2400382	4.0 - 4.6	4.67	S2400168
BME2310001	PV7030P40 Plain	213	200	13	145.8	150	-4.2	P2400383	5.4 - 5.6	5.71	S2400169
BWL24012	Viscose 100% P70 Plain	204.8	200	4.8	144.5	150	**-5.5**	P2400578	5.0 - 6.0	5.95	S2400207
BJM2312125	PV6040P40 Plain	207	200	7	145.2	150	**-4.8**	RJBO-II/67415/20231215/AS/1_1	5.4-5.6	5.65	RJBO-II/67415/20231215/AS/1_1
BWS2400033	PV6040P40 Plain	204.8	200	4.8	147	145	**2**	RJBO-II/69655/20240227/AS/3_1	5.0-5.5	5.25	RJBO-II/69655/20240227/AS/3_1

Finally, here we are proposing below revision of specification / requirement for mentioned characteristics,

Sr.	Characteristics	Specification / Requirement		Justification
		Current standard	Proposed revision	
1	Length and width, mm	As agreed to between the buyer and the seller with a tolerance of ± 1 mm.	As agreed to between the buyer and the seller with not less by 10 mm on lower side only.	Currently specified tolerance as per standard is ± 1 mm in as agreed to between the buyer and the seller, is very less. Need to be revised considering below properties of Non-woven Spunlace Fabric of wipe, 1. Dimensions of Nonwoven Spunlace fabric varies due to distortion while wipe removal from packet, further opening-spreading of wipe for testing on lab platform. 2. The distortion is led by, the elongation characteristics of nonwoven fabric depend on several factors, including, a. The fabric's structure: The arrangement and bonding of the fibers in the fabric affects its elongation. b. The direction of the measurement: The direction of the measurement affects the elongation. For example, in the machine direction, the elongation at break is low, while in the fabric width direction, the elongation at break is high. c. The density of the fibers: The density of the fibers affects the elongation. 3. Wipes dimension measurement varies on length and width, a. Width of wipe is machine direction of Nonwoven Spunlace Fabric, have lesser elongation %. b. Length of wipe is cross direction of Nonwoven Spunlace Fabric, have higher elongation %.

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				4. Wipe dimension shall have tolerance on lower side only, as excess length or width does not affect the functionality / end use. 5. Above suggestion does not impact the final use and function of the fiber as same is in practice and widely preferred by domestic customers.
2	pH	4.5 – 7.5	3.85 – 6.50	Currently specified as per standard is 4.5-7.5, is not compensating all existing product specifications. Need to be revised considering below, 1. Existing well established Wet Wipes Products of reputed Brands have specification with lower limit of 3.85 and higher limit of 6.50. 2. The pH of baby wipes is usually adjusted to be similar to the pH of healthy infant skin, which is slightly acidic. 3. Keeping the skin's pH slightly acidic helps prevent the growth of bacteria and helps form a healthy skin barrier. 4. Above suggestion does not impact the final use and function of the wipe as same is in practice and widely preferred by domestic customers.

Regards,
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