	Test Standards & Limits for Nitrile Gloves as per ASTM & EN							
Sl No	Parameters	Standard	Requirem	ent / Acceptable Limit				
1	Freedom from Holes	ASTM D6319-19		AQL 2.5				
	Physical Properties before aging	ASTM D6319-19		AQL 4.0				
	Physical Properties after aging	ASTM D6319-19	AQL 4.0					
	Tensile strength before aging	ASTM D3578	14 MPa, minimum 14 MPa, minimum					
0	Tensile strength after aging	ASTM D3578						
2	Elongation before aging	ASTM D412	500%, minimum					
	Elongation after aging	ASTM D412	400%, minimum					
	Force at Break, before aging	EN 455-2: 2015	≥ 6.0 N					
	Force at Break, after Aging	EN 455-2: 2015	≥ 6.0 N					
3	Powder-free Residue	ASTM D6319-19	< 2 mg To Pass To Pass To Pass 3 µg/g					
4	Puncture Resistance	ASTM F1342						
5	Heat Aging Degradation Test	ASTM D573						
6	Whole Glove viral barrier	NFPA 1999						
7	Proteins Extraction g/g	EN 455-3:2015						
8	pH Value	EN ISO 21420:2020		>3.5 & <9.5				
	Dexterity, Level of Performance		Level of Performance	Smallest pin diamet fulfilling test conditio				
			1	11 mm				
9		EN ISO 21420:2020	2	9.5 mm				
7		LIN 130 21420.2020	3	8 mm				
			4	6.5 mm				
			5	5 mm				
	Length of the Gloves in mm		XS	220				
			S	220				
10		ASTM D6319-19	М	230				
			L	230				
			XL	230				

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Test Standards & Limits for Nitrile Gloves as per ASTM & EN							
Sl No	Parameters	Standard	Requirement / Acceptable Limit	Sl No			
11	Width of the Gloves in mm		XS	70 ± 10			
			S	80 ± 10			
		ASTM D6319-19 ASTM D5250	М	95 ± 10			
			L	110 ± 10			
			XL	120 ± 10			
12	Thickness of Gloves at finger in mm		0	.05 minimum			
13	Thickness of Gloves at palm in mm	— ASTM D6319-19	0.05 minimum				
14	Weight of the Gloves in gms**	A	As mentioned in the TDS				
15	Color of the Gloves**	A	As mentioned in the TDS				
16	Design	Ambi	Ambidextrous with Beaded Cuff				
17	Food Grade US & EU – For use in contact with aqueous foods: Extractants: Distilled Water						
	Reflux temperature for 7 hours	US FDA 21 CFR		20 mg/inch ²			
	Succeeding 2 hours of extraction	177.2600 (Rubber Articles)	1 mg/inch ²				
18	Food Grade US & EU – For use in contact with fatty foods: Extractants: n-Hexane						
	Reflux temperature for 7 hours	US FDA 21 CFR	175 mg/inch ²				
	Succeeding 2 hours of extraction	177.2600 (Rubber Articles)	4 mg/inch ²				
	Food Grade EU						
19	Global Migration from Rubber	EN 1186		irective 82/711/EEC &			
20	REACH SVHC		Council directive 85/572/EEC Not to be Detected				
21	REACH (EU specific)	Test report as per glo	Test report as per globally acceptable standards (EC 1907/2006)				
22	Packaging (EU specific)		Directive 94/62/EC				
23	Technical data sheet	As per	As per Keymate Standard Format				
24	MSDS (Material safety data sheet)	For all	For all of the whole pair of Gloves				
25	QMS	EN 13	EN 13485, ISO 9001 or Equivalent				
26	Shade card for Color of gloves	Light	Light, Standard, Dark Samples				
27	Biocompatibility of Gloves		ISO 10993-5				
28	Protective gloves against chemicals and micro organisms		EN ISO 374- 1/2/3/5				

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Compliance & Regulatory Documents for Nitrile Gloves:

- 1. Reach Compliance
- 2. QMS as per ISO 9001 or Equivalent
- 3. Shelf-Life Declaration
- 4. CE certification
- 5. FDA Registration



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