

# China Product Standard GB/T 32614-2023 *Outdoor Sportswear-Water Resistant Garments* Published



GB/T 32614-2023 *Outdoor Sportswear-Water Resistant Garments* has been published. It is not applicable to products for infants aged 0-36 months. It will be effective on April 1, 2024, replacing the 2016 edition. In comparison to GB/T 32614-2016, major technical parameter changes are the following:

No.	Parameters	GB/T 32614-2023	GB/T 32614-2016	Test method and remark	
		Requirements			
1	Instruction	According to GB/T 5296.4. Products for children shall also meet the requirements of GB 31701.	According to GB 5296.4 and GB 18401. Drawstring requirements for children products are defined separately	2023 version has children products following GB 31701.	
2	Physical properties	PFOS	<1.0 ug/m <sup>2</sup>	No requirement	Test according to GB/T 31126. It is only applicable to the outer fabric of the finished product claimed with fluorine free treatment.
		PFOA	<1.0 ug/m <sup>2</sup>	No requirement	
		Pilling	According to GB/T 4802.1-2008 Parameter D.	According to GB/T 4802.1-2008.	The 2023 version specifies the testing parameter D.
		Abrasion resistance	Tops ≥10000 cycles Bottoms ≥15000 cycles	≥10000 cycles for both tops and bottoms, no damage on the face of shell.	2023 version 1. Only applicable to the outer fabric. 2. Wool abrasives are used with a total effective mass of (595±7)g (nominal pressure of 9 kPa).
		Colorfastness to light	PASS grade Dark color PASS ≥ 3-4	PASS grade Dark color PASS ≥ 3	Similar to 2016 version, it is only applicable to the outer fabric, and for fluorescent color fabric performance is allowed to be half a grade lower than corresponding requirement
		Colorfastness to transfer in joints	According to GB/T 31127-2014 Method A	According to Annex A	Change test method citation
		Water repellency	Requirement unchanged		Change the washing method to "4N program in GB/T 8629-2017, using standard detergent 3"
		Hydrostatic pressure resistance	Fabric with an elastic elongation of ≥ 10% in either warp (straight) or weft (horizontal) direction shall be tested according to FZ/T 01004-2008; Other fabrics shall be tested according to GB/T 4744.	Tested according to GB/T 4744	1. The 2023 version has added testing methods for elastic fabrics. 2. Washing method is same as the one for water repellency.
		Moisture permeability	<b>Class I:</b> Before and after laundering: ≥ 6000 g/(m <sup>2</sup> ·24h)  <b>Class II:</b> Before and after laundering: ≥ 4000 g/(m <sup>2</sup> ·24h)	<b>Class I:</b> Before washing ≥5000 g/(m <sup>2</sup> ·24h) After washing ≥4000 g/(m <sup>2</sup> ·24h)  <b>Class II:</b> Before washing ≥3000 g/(m <sup>2</sup> ·24h) After washing ≥2000 g/(m <sup>2</sup> ·24h)	Change the washing method to "follow 4N program in GB/T 8629-2017."
Appearance after washing	Add Color change ≥4	Not explicitly defined	The 2023 version adds color change requirements.		
3	Safety performance for children garment	Aligned with GB 31701	The safety requirements for children's top straps, children's clothing ropes, and straps shall comply with the provisions of GB/T 22702	2023 version has children products following GB 31701.	

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China – Guangzhou: [bvcps\\_pyinfo@cn.bureauveritas.com](mailto:bvcps_pyinfo@cn.bureauveritas.com)

China – Shanghai: [contact-cn@bureauveritas.com](mailto:contact-cn@bureauveritas.com)

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