

森诺鞋类测试服务

SENNOR Footwear Testing Services



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扫一扫



SENNOR Laboratory provided professional, fast and efficient testing services for you

森诺实验室为您提供专业、快捷、高效的检测服务

森诺鞋类检测实验室目前拥有国内最先进的眼镜测试仪器，是目前国内拥有最齐全的眼鞋类测试仪器实验室。凭借在鞋类测试领域多年的丰富经验，森诺深刻理解并满足客户的需要，拥有针对鞋类测试所要求的专业测试设备和技术团队，精心致力于为客户提供科学、专业、个性的解决方案，以满足中国、美国、英国、澳洲、德国、加拿大、欧盟、日本等不同国家和地区的测试标准要求。

SENNOR Footwear product laboratory is the most advanced and well-equipped Footwear product testing facility in china. With years' experience and expertise, SENNOR meets the client's requirement well. SENNOR have the special test equipment and technical Footwear product team, SENNOR provides scientific, professional, personality solution to satisfy all different test standard requirement from china, USA, United Kingdom, Australia, German, Canada, EU, Japan, etc.

目前，森诺以中国深圳为中心，在广东、东莞、香港等地设有分支机构，建有大型实验室，占地面积将近 10000m²，拥有一支高素质的技术和服务团队，涉及玩具、婴幼儿、电子电气、纺织品、鞋类、眼镜、箱包、餐厨具、饰品及家具等领域的优秀人才 100 多人，为森诺构筑全球性的服务网络奠定了坚实基础。

With headquarters at Shenzhen, SENNOR has set up branches at Guangdong, Dongguan, and Hong Kong. The total size of SENNOR laboratories has reached to 10000m². Now, SENNOR can better serve global customers by its 100 qualified technicians and CS team which are covered in toys, Juvenile, electrical and electronic, textiles, footwear, eyewear, footwear, dinnerware and kitchenware, decorations and furniture areas.

森诺实验室符合 ISO/IEC 17025 的要求，经过数年来的发展，森诺已经成为中国最大的综合性实验室。

SENNOR laboratory complies with ISO/IEC 17025 requirements and turns to be one of the leading comprehensive laboratories in China.



The authorization of SENNOR
森诺的授权

森诺实验室获得了中国合格评定国家认可委员会(CNAS)认可。CNAS 同多达十四个国家经济或标准组织合作，并与国际认可论坛(IAF)，太平洋认可合作组织(PAC)，国际实验室认可合作组织(ILAC)和亚太实验室认可合作组织(APLAC)签署互认协议。在全球范围内获得广泛认可。

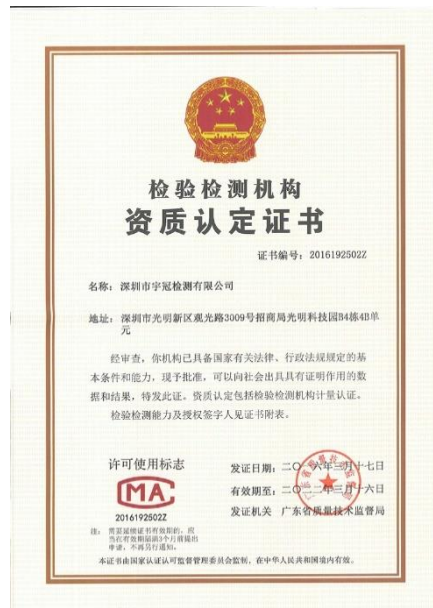
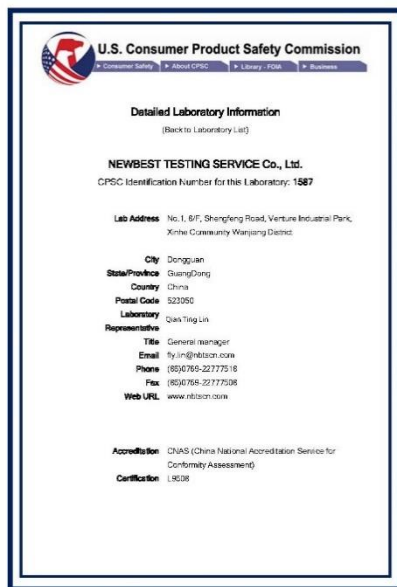
森诺实验室获得了广东省质量技术监督局(CMA)的认可。

获得美国消费品安全委员会(CPSC)列名实验室。

SENNOR lab has been recognized by China National Accreditation Service for Conformity Assessment. CNAS has cooperation with at less 14 international economic organizations, or standard organizations and signed the mutual recognition agreements with International Accreditation Forum (IAF), Pacific Accreditation Cooperation (PAC), International Laboratory Accreditation Cooperation (ILAC) and Asia Pacific Laboratory Accreditation Cooperation (APLAC), so it can be recognized in a global context.

SENNOR lab has been recognized by China Metrology Accreditation.

SENNOR is also the member of laboratories of American Consumer Product Safety Committee (CPSC) List.



The solution of SENNOR

森诺的解决方案

森诺出众的检测能力可以更多地帮助您应对越来越严格的环保法律法规，我们的服务产品范围涵盖童鞋、拖鞋、正装鞋、运动鞋、休闲鞋、工作鞋和安全鞋，并通过第三方质量管理体系，从原材料、配件到成品对您的鞋类产品提供全面保障，而且还将就如何降低鞋类材料中的有害物质，为客户提供相关的咨询服务及个性化解决方案。

Our superior testing capabilities can help you more to response the more and more strict green rules, the products our services covered are from baby shoes, to slippers, conventional shoes, sportswear through to safety footwear, etc. throughout our 3rd party supply chain quality management system, we can provide comprehensive assure to your footwear product, from the raw materials to components, and finished product also provide related consulting services and customized solutions on how to reduce the harmful substances in footwear material.

◆ 技术顾问服务 TECHNICAL CONSULTANCY

鞋类生产过程中涉及繁多的原材料和复杂的工序，因此生产厂家很难绝对保证品质。森诺的技术顾问在技术更新、解决技术难题和品质保障方面拥有丰富的经验，能为您提供实用而有效的解决方案。

Even with the most sophisticated design and smart selection raw materials, quality is still not guaranteed due to the complicated process and raw materials involved in the production. Our experienced technical consultants are strong in technical development, technical problem solving and quality assurance and will surely provide innovative and practical solutions to all your technical problems.

◆ 自设实验室顾问服务 IN- HOUSE LABORATORY CONSULTATION

近几年来，很多制造商成立了自己的实验室，进而更有效地控制产品质量。森诺对设立和运作世界级实验室有丰富的知识和经验，能为有需要的客户提供从产品设计、设备采购到人员培训等各方面的协助。

To ensure product quality, many of the industries are now considering setting up their own in-house laboratories for tighter quality control. Having the strong technical know on how in setting up and running a world- class laboratory, we are able to assist in designing, equipment sourcing and offering training for those in need.



◆ 研讨会及培训课程 SEMINAR & TRAINING

针对不同行业的需要,森诺定期举办一系列专门的研讨会,帮助参加者获得最新的市场趋势和技术发展资料。我们的培训导师会针对不同的国际标准与大家分享实际经验。

Our seminars are designed to suit wide variety of industry specific needs. Attendees will find our seminars useful in getting both the latest market trend and up-to-date technological developments. Practical experience in addition to international standards would be shared by our professional trainers.

◆ 鞋类制品测试 FOOTWEAR PRODUCT TESTING

多年来,森诺一直领导大中华区鞋类测试潮流。无论在深圳,还是在天津、上海、香港,森诺鞋类实验室都能根据鞋类行业的标准,规则和客户需求,为产品、原材料及配件提供全面的测试服务,并为整个行业发展推波助澜。

SENNOR laboratories offer a full range of testing services for finished products, raw materials or components base on defined standards, regulations and client's performance requirements. At the forefront of the footwear testing field in Greater China for many years. SENNOR footwear lab remains committed to developing new capabilities for the industry on matter in Shenzhen, Tianjin, Shanghai and HongKong.

◆ 检验服务 INSPECTION

我们的检验服务分为初期生产检验 IPC,中期生产检验 DPC 以及终期生产检验 FRI 等阶段,内容涵盖从生产到运输等各个环节。同时,透过索赔检验服务,森诺为各个客户检验索赔货品。

Our product inspection services ensure product compliance at every stage of production and delivery, our service covers everything from Initial Production Checks, During Production Checks and Final Random Inspection .We also assist clients to inspect claimed goods through our Claims Inspection Services.

◆ 工厂审核 FACTORY AUDIT

森诺代表全球的买家,对制造商履行合约内有关品质、数量和交货日期等要求的能力进行审核,以减低客户的采购风险。

On behalf of buyers worldwide, SENNOR helps to reduce sourcing risks for its clients by verifying the capability of manufacturers to meet contract requirements for quality, quantity and delivery terms.



SENNOR offers full set of testing services for all kinds of footwear

森诺 可以为您提供全方位的鞋类产品测试服务

◆ 外观测试 APPEARANCE EVALUATION

凭借人的感觉器官及借助一些标样、标准照片、图片、图谱等来评估外观的测试。

Appearance evaluation through human senses and samples, standard photos and chromatogram.

◆ 物理测试 PHYSICAL TESTING

评估产品的性能、舒适度、完全性和质量的测试（鞋跟拉脱强度、天皮附着力、配件拉脱、车缝强度、条带拉力、耐曲折、胶着力、抗张强度、胀破强度、剥离强度、耐磨测试、防滑测试等）。

Physical performance tests evaluating products performance, comfort, safety and quality (including heel attachment strength, toe-piece strength, attachment strength for ornament, seam strength, buckle & strap strength, flexing for complete shoe, sole bond adhesion strength, tensile strength/breaking force, Mullen burst strength, peel strength, abrasion resistance, slip resistance, etc.)

◆ 人体力学性能测试 HUMEN ERGONOMIC FEATURES TESTING

评估使用者和产品的互动协调性（能量吸收、压缩回弹、垂直回弹.....）

Specific ergonomic features testing the interaction harmony between the user and the product (energy absorption, compression set, rebound test, etc.)

◆ 使用性能和寿命测试 USE PERFORMANCE AND LIFE TESTING

评估产品实际使用性能和寿命的相关测试（试穿评估测试、抗老化测试.....）

Evaluate use and life testing of the performance and aging of the footwear (including specific ergonomic features, accelerated aging, etc.)



Our Testing Standard and Qualifications

我们测试标准和资质

Product 产品	Standards 标准	Corresponding Standards Organizations 发布标准的机构	Countries of Recognition 适用国家或地区
鞋类	SATRA	Shoe & Allied Trade Research Association 鞋类和联合贸易研究协会	Most Countries in the World 世界上大多数国家
	BS	British Standard Institution 英国标准协会	UK 英国
	FIA	Footwear Industry of American 美国制鞋工会	US 美国
	AAFA	American Apparel & Footwear Association 美国服装鞋类联盟	US 美国
	CPSC	Consumer Product Safety Committee 美国消费品安全委员会	US 美国
	AATCC	American Association of Textile Chemists and Colorists 美国纺织化学家和染料家协会	American Countries 美洲国家
	ASTM	American Society for Testing and Materials 美国材料和试验协会	American Countries 美洲国家
	AS	Standards Australia 澳大利亚标准学会	Australia & New Zealand 澳大利亚和新西兰
	CAN/CGSB	Canadian General Standards Board 加拿大标准委员会	Canada 加拿大
	DIN	Deutsches Institut Für Normung 德国标准学会	Germany 德国
	EN	European Norm 欧洲标准	European Countries 欧盟成员国
	ISO	International Standardization Organization 国际标准化组织	European Countries 欧洲国家
	FZ	China National Textile Industry Council 中国纺织工业协会	China 中国
JIS	Japanese Standards Association 日本标准化协会	Japan 日本	



Test Products
测试产品
◆ Finished Footwear 成品鞋

Men' s Shoes 男鞋
 Women' s Shoes 女鞋
 Children Shoes 儿童鞋
 Sandals 凉鞋
 Sport Shoes 运动鞋
 Casual Shoes 休闲鞋
 Canvas 帆布鞋.....

◆ Upper Materials 鞋面材料
◆ Sole Material 鞋底材料
◆ Accessories 配件

Footwear Testing Ranges
鞋类测试项目
◆ Physical Test 物理测试

No. 序号	Test Items 测试项目	Test Standards 测试标准
1	Bally Flexing test 皮革耐曲挠测试	ASTM D 6182 ISO 5402 SATRA TM 55
2	Tearing Strength for Leather 皮革撕裂强力	ASTM D4704 ASTM D2212 ISO 3377 SATRA TM 162
3	Taber Abrasion test Taber 耐磨测试	ASTM D3884 SATRA TM 163
4	Martindale Abrasion resistance 耐磨性能测试	ASTM D4966 ISO 12947 SATRA TM 31
5	Abrasion Resistance for outsole 鞋底耐磨测试	ASTM D 5693 ASTM D1630 ISO 4649 SATRA TM 174



No. 序号	Test Items 测试项目	Test Standards 测试标准
6	ROSS Flexing test for outsole 鞋底曲折测试	ASTM D1052 SATRA TM 60
7	Slip resistance for outsole 鞋底防滑测试	ASTM F489 ASTM D 2047 ISO 13287 SATRA TM 144
8	Sole Bond Adhesion Strength 鞋底剥离强度	FIA 1206 ISO 17708 SATRA TM 411
9	Seam Strength 缝线强度	BS 5131 5.13 SATRA TM 180
10	Heel Attachment Strength 鞋跟拉脱强力	ASTM F 2232 ISO 12785 SATRA TM 113
11	Flexing test for Full shoe 成品鞋曲折测试	SATRA TM 92
12	Color Fastness to Crocking 耐摩擦色牢度	AATCC 8 ISO 105 X12 SATRA TM 167
13	Color Fastness to Perspiration 耐汗渍色牢度	AATCC 15 ISO 105 E04 SATRA TM 335
14	Corrosion test for metal 金属耐腐蚀测试	ASTM B117 ISO 9227 SATRA TM 310
15	Impact resistance for heel 鞋跟耐冲击测试	BS 5131 4.8 ISO 19953 SATRA TM 20
16	Fatigue test for heel 鞋跟耐疲劳测试	BS 5131 4.9 ISO 19956 SATRA TM 21

◆ Chemical Analysis test 化学分析测试

No. 序号	Test Items 测试项目	Test Standards 测试标准
1	Formaldehyde Content 甲醛含量	ISO 14184-1/2 JIS L 1041; Japanese Law 112 BS 6806 AATCC 112 DIN 53313



No. 序号	Test Items 测试项目	Test Standards 测试标准
2	pH Value pH 值	DIN 54275/6 ISO 3701 AATCC 81 QB/T 2724 ISO 4045
3	Extractable Heavy Metals 可萃取重金属	Extraction in Perspiration/Saliva solution ISO 105 E04/ Section 35 LMBG B82.10-1/ GB/T 22930 / GB/T 17593.2 by ICP/AAS DIN 38406 I. Up to 9 elements II. Up to 10 elements III. Single elements GB/T 22930
4	Chromium VI 六价铬	DIN 53314 BS EN 420 ISO 17075
5	Cadmium 镉	BS EN 1122
6	Release of Nickel 镍释放量	EN 1811(Non-coated items) EN 12472 + EN 1811 (Coated items)
7	Pentachlorophenol (PCP) 五氯苯酚 Tetrachlorophenol (TeCP) 四氯苯酚 Trichlorophenol 三氯苯酚	ISO 17070 DIN 53313 I. One item; II. Two items; III. Three items;
8	AZO Dyestuff 偶氮染料	German Bedarfsgegenstane-Verordnung by GC-MS Section 35 LMBG 82.02-2 General Textiles 82.02-4 Polyester 82.02-3 Leather ISO/TS 17234 GB/T 19942
9	Allergenus Disperse Dyes 致敏性分散染料	DIN 54231
10	Carcinogenic Dyes 致癌染料	DIN 54231
11	Polychlorinated biphenyl (PCBs) 多氯联苯	US EPA 8082 or DIN 38407 F2
12	Polychlorinated Terphenyls 多氯三联苯	US EPA 8082

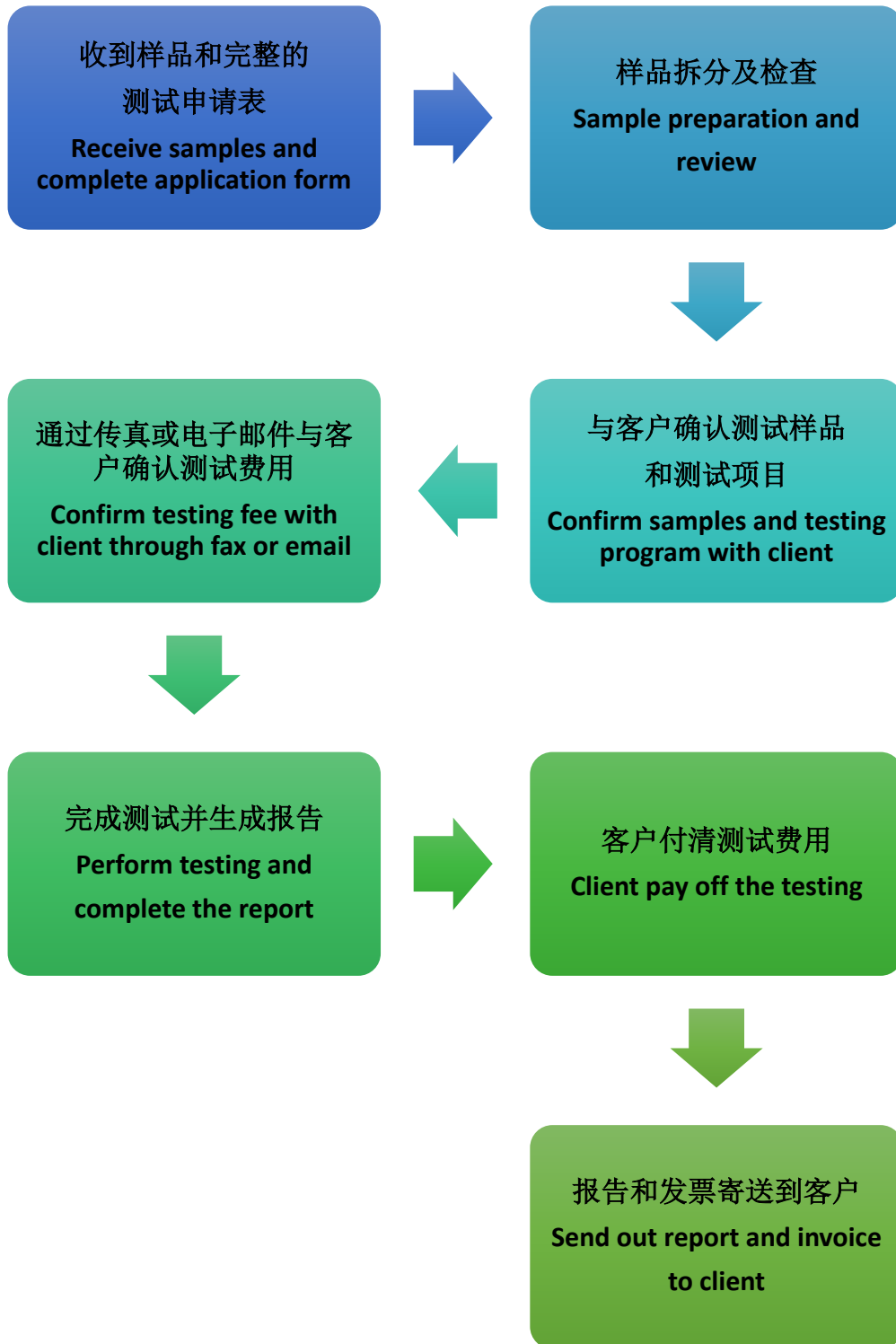


No. 序号	Test Items 测试项目	Test Standards 测试标准
13	Organic Tin 有机锡	DIN EN ISO 17353 I. TBT, MBT, DBT II. Each additional item
14	Phthalates 邻苯二甲酸盐	EPA 3540C/EPA 8270D GC-MS I) DINP, DNOP, DEHP, DIDP, BBP, DBP II) Single Phthalate
15	Polyvinyl Chloride 聚氯乙烯	FTIR 定性方法
16	Volatile Organic Compounds 挥发性有机化合物	EPA 5021A
17	Flame Retardants 阻燃剂	US EPA 3540C/EPA 8270D
18	CFC 氟氯碳化物	EPA 5021A
19	Pesticides 杀虫剂	EPA 8081B



Our Testing Procedure

我们的测试流程



Our Value-Added Services

我们的增值服务

为建立长远的合作伙伴关系，森诺 体贴客户独特的需求并提供各项增值服务：

Committed to building successful long-term relationship, SENNOR takes great care in meeting the unique needs of its customers by providing value added services in the following Key areas;

测试项目建议 Testing recommendations

为客户提供技术服务顾问 Technical consultancy

提供多种语言的测试报告（中文、英文）Professionally – complied multilingual reports in Chinese, English

研讨会以及培训课程 Seminars and training

客户专业管理 Key account management

针对客户的不同需求，森诺为您量身定制质量管理服务，满足您对产品整条供应链的品质需求。

Service scope proposed by SENNOR is based on the client' s request. It could be a tailor made service or it could include most aspects of product supply chain.



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