

ELEVATION LABORATORY **SEATING SOLUTIONS**

Focused on High-Quality Professional Laboratory Seating

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Six Major Pain Points of Laboratory Seating

Have you ever encountered these laboratory seating problems?



Epoxy Flooring Gets Scratched

The epoxy flooring that costs thousands of dollars to install gets covered with scratches by chair casters within a few months of use — painful and unsightly.



Chair Always Slides During Lab Work

While focusing on lab work, the chair suddenly slides, seriously affecting work efficiency and experimental results.



Anti-Static Non-Compliant

The anti-static chair purchased to pass ESD failed resistance testing after only a year, resulting to another costly replacement.



Aging from Alcohol Disinfection

Wiping the chair with alcohol for disinfection makes it worse each time; after a few wipes the chair ages and its service lifespan is greatly reduced.



Easily Tip Over When Leaning Forward

When leaning forward toward the lab table, the chair can easily tip over — a serious safety hazard.



Cracking from Reagent Corrosion

When reagent spilled on the chair; the seat upholstery cracks and peels, breaking down in a few months.

What kind of chair is suitable for laboratory?

EV

ELEVATION

Professional Laboratory Chair
Tailor-Made for the Laboratory Environments

Five Core Advantages
Ten-Year Service Life
Five-Year Extended Warranty



EV Laboratory Chair Five Core Advantages

Professional Laboratory Chair, Tailor-Made for the Laboratory Environments



Premium PU Foam

One-piece molded foam, wear-resistant and impact-resistant, excellent load-bearing capacity, reagent-resistant.



Anti-Tipping Base

Anti-tipping design, 136 kg dynamic load capacity, explosion-proof gas lift for guaranteed safety.



Patented Foot-Controlled Height Adjustment

Industry-first patented foot control, fully sealed mechanism, compatible with cleanroom shoes, freeing both hands



Nylon Pressure Caster

Pressure-sensing break caster; once seated, pressure triggers resistance to prevent rolling and keeping lab experiments focused.



Electro-Static-Discharge

Anti-static design, stable performance meeting ESD standards; one purchase for long-term compliance

Premium PU Foam

High Stability

EN71-3:2019+A1:2021-Migration of certain elements (Category III-for scrapped-off toy material)

Test Method: With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.
Soluble Organic Tin was analyzed by GC-MS.

Test Item(s)	Limit	Unit(s)	MOI	AI
Soluble Aluminum(Al)	28130	mg/kg	50	ND
Soluble Antimony(Sb)	550	mg/kg	10	ND
Soluble Arsenic(As)	47	mg/kg	10	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND
Soluble Boron(B)	15000	mg/kg	50	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND
Soluble Chromium(III) (Cr(III))	450	mg/kg	5	ND
Soluble Chromium(VI) (Cr(VI))	0.053	mg/kg	0.025	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND
Soluble Lead(Pb)	23	mg/kg	5	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND
Soluble Nickel(Ni)	930	mg/kg	10	ND
Soluble Selenium(Se)	450	mg/kg	10	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND
Soluble Organic Tin	12	mg/kg		ND
Conclusion				Pass

Notes:
(1)According to Chapter of 10.1.2 of EN71-3:2019+A1:2021, Chromium (III) is calculated by the following formula:
Soluble Chromium(III)=Soluble Total Chromium-Soluble Chromium(VI)
(2)*Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3:2019+A1:2021.

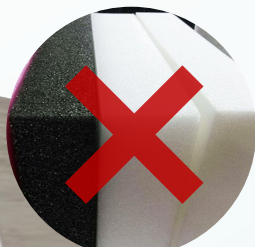
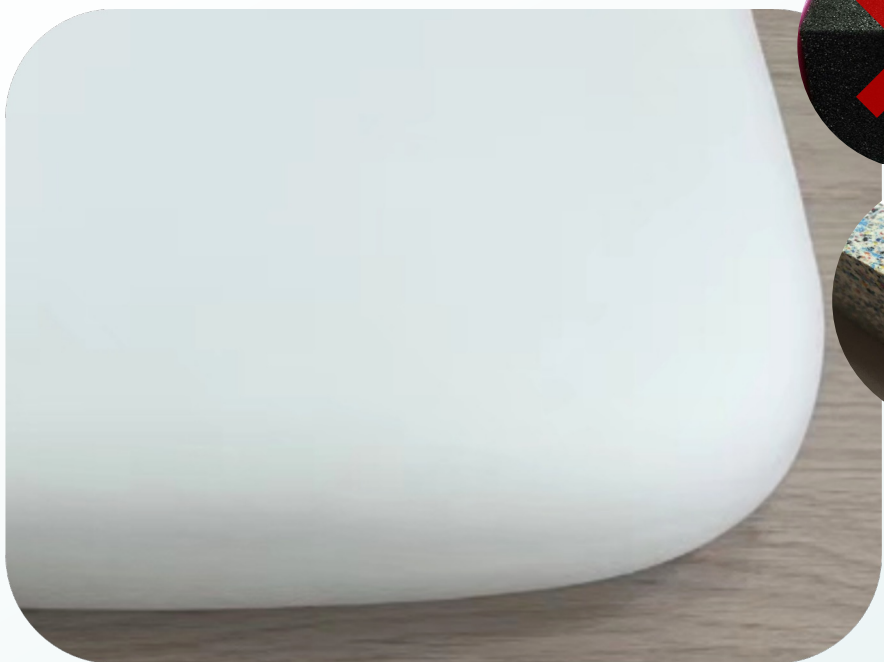
Test Report in Accordance
with EU Standards

Hydrolysis-resistant, resistant to common laboratory solvents

Hydrolysis resistance grade: equivalent service life ≥ 8 years under 40°C/80%RH heat-humid environment (ASTM accelerated aging), no powdering, no cracking

Resistant to common reagents: tolerant of 75% alcohol, 10% dilute acid/alkali, diluted sodium hypochlorite, etc.; if spilled and wiped promptly, no corrosion or discoloration





Premium PU Foam

High Loading Capacity

Sturdy and durable for sitting, non-collapse over time

PU core density: **330–360 kg/m³**

Surface hardness: **50–60 Shore C**

Meets high load-bearing standards, resistant to deformation over long-term use, suitable for frequently used laboratory environments

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Premium PU Foam

Wear & Impact Resistant

Dense skin layer, firm bonding

Skinning thickness: **1.5 mm $\pm$ 0.5 mm**; uniform and dense, no pores;

skin-core bonding strength: one-piece molding, chemical bond between skin and substrate, no risk of detachment

Wear resistance (TABER rotary abrasion method):

Load: 750 g, **wheel:** CH18

Abrasion cycles: 2,000–5,000 times



Excellent Comfort

High resilience, no fatigue after extended sitting

Strong support, fits the hip and leg curves, no fatigued during prolonged sitting;
moderate surface hardness ensures both support and sufficient cushioning

Color Customization

Slick appearance, uniform color, clear texture, smooth feel; rich
color options to meet different laboratory environment color
matching requirements



ELEVATION



Test Report No.SDHL250801438901FT Date: Aug 28, 2025 Page 1 of 6

HUIZHOU KENTEC OFFICE SEATING CO., LTD
BUILDING 1, THE SECOND PHASE OF MEILONGHU INTELLIGENT MANUFACTURING INDUSTRIAL
NEW TOWN, XINXU TOWN, HUIZHOU CITY, GUANGDONG, CHINA

Sample Description : ELEVATION STOOL
Item No. : ELEVATION

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Aug 14, 2025
Test Performing Date : Aug 14, 2025 to Aug 28, 2025
Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	ANSI/BIFMA X5.4-2020 (R2025)	PASS	/
For further details, please refer to the following page(s)			

Anti-Tipping Safety Base

When leaning forward toward the lab table, the chair can easily tip over — a serious safety hazard.

- Anti-tipping design: industry-leading anti-tipping base; even when you lean forward, the chair refraned from tipping over, eliminating safety hazards
- Ultra-high standard load test: passed **BIFMA X5.4-2020 tests, 136 kg** dynamic load impact test; stable as a mountain.



BIFMA TEST

ELEVATION

Solid Pressure-Sensing Break Castor

No-load condition: Free-wheeling smooth rotation

Pressure activated when seated: Anti-drift, resistance-controlled for better focus while seated

Silent movement + soft casters, protecting epoxy flooring



Resistance-controlled sliding

Smooth free-wheeling rotation

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Patented Foot-Controlled Height Adjustment

Industry's first patent for foot-controlled height adjustment on a swivel chair, freeing both hands

Patent No.: 2025209082566

- ▶ Adjust height by foot, hands free on operation
- ▶ Free both hands, prevent hand-contact contamination
- ▶ Anti-mis-touch design: only triggered when the pedal is pressed
- ▶ Fully sealed mechanism: reagent-proof and water-proof

Free both hands to focused on lab operation, easy adjustment with both feet



EV

UP 620mm

130mm

DOWN 490mm



EV-01 Series

Gas lift stroke: 130 mm

Minimum seat height 490 mm; maximum seat height 620 mm

Flexible at high position, supports semi-dynamic sitting posture, suitable for scenarios requiring frequent standing up to fetch items and operating at higher lab tables

- ✓ Compatible to table height: 750–850 mm
- ✓ Applicable scenarios: biology lab table, laboratory recording, teaching demonstration, etc.

ELEVATION

EV

UP 590mm
130mm
DOWN 460mm



EV-02 Series

Gas lift stroke: 130 mm

Minimum seat height 460 mm; maximum seat height 590 mm

Compatible with standard test lab benches; suitable for compact experimental scenarios requiring extended periods of seated operation

- ✓ Compatible lab bench height: 750–800 mm
- ✓ Applicable scenarios: electronics R&D, precision instruments, physical and chemical analysis laboratories, etc.

Electro-Static-Discharge (ESD)

Special applications, long-lasting and stable

Anti-static method adopted

Surface electro static resistance range: **$10^7-10^9 \Omega$**
(meets ESD standards)

Anti-static material uniformly dispersed throughout
the components, performance does not decay after
wear or cleaning



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Ergonomic Design

Every millimeter is verified by anthropometric data

Seat adopts to a slightly concave curved design: dynamically fits hip and leg contours; even after more than hours of continuous experimental operation, sitting remains comfortable

Lumbar support backrest: height 202 mm, width 404 mm, precisely covering the physiological lumbar curve, reducing lumbar muscle compensation, supporting prolonged sitting with comfort

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Integrated Backrest Handle Ring Design

Pull to move the chair

Designed to hang personal items or place tablet devices



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Applicable Solutions for Various Scenarios

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Different laboratories have different needs



Semiconductor / Precision Electronics Laboratory

- ✓ Long-lasting stable Electro-Static-Discharge design;
- ✓ Low-particle-emission material meeting ISO cleanroom requirements;
- ✓ Pressure conductive casters protecting anti-static epoxy flooring

Biopharmaceutical / Medical Testing Laboratory

- ✓ Medical-grade antibacterial PVC, antibacterial rate 99.9%
- ✓ Resistant to repeated wiping with alcohol and high-temperature disinfectant
- ✓ Seamless one-piece design, no dirt-hidden corners
- ✓ Hydrolysis-resistant material, usable for 10 years in constant-temperature and constant-humidity environments



Applicable Solutions for Various Scenarios

ELEVATION

Different laboratories have different needs



Petrochemical / Chemical Laboratory

- ✓ Strong corrosion-resistant material, resistant to strong acids, strong bases, and organic solvents
- ✓ 150 kg high load capacity + anti-tipping design
- ✓ B1 flame-retardant material meeting laboratory fire protection requirements

Research Institutes / Public Teaching Laboratories

- ✓ Ultra-wear-resistant material, service life up to 10 years
- ✓ Easy to clean, simply wipe to clean;
- ✓ High cost-performance, bulk purchase



Application Scenario



Application Scenario



Application Scenario



Purchase with Confidence



Authoritative Certification

Product in compliance with BIFMA and GREENGUARD certifications.



5-Year Extended Warranty

Under normal wear and tear, free repair or replacement within 5 years.

5 years

Extended Warranty



Customized Service

Special requirement customizations

- ✓ Special Color Customization
- ✓ Special Function Customization
- ✓ Bulk Purchase Discounts

Professional Laboratory Seating

MODELS



EV-01



EV-02/EV-02E



EV-01B



EV-02B/EV-02BE



H300 (Aluminium Base)



M280 (Aluminium Base)



M300 (Nylon Base)

Color Options

LEATHER

KG-06-22	KG-06-20	KG-06	KG-06-17	KG-06-25	KG-06-6

* Model suffix notes: B – with backrest version; E – ESD version