

GBPI®



GBPI® | 包装检测仪器 | 广州标际
Testing instruments

State reference calibration film

Leader of packaging testing solutions

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GuangzhouBiaoji PackagingEquipmentCo.,Ltd



TECHNOLOGICAL
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GBPI

» ABUOUT US

GBPI is a supplier of flexible packaging testing equipment, mask testing equipment, and testing solutions. It has more than 20 years of experience in the field of testing equipment. The company has a dedicated R&D and after-sales team, which can accept customer testing and on-site teaching machine services. Not only that, we can also help customers with one-stop customized laboratory testing solutions. GBPI has passed ISO 9001 certification, we have become a large-scale testing agency supplier, and cooperate with many international standards organizations. According to customer requirements, we can provide CE, ISO, CNAS calibration certificates, etc. We have established long-term cooperative relationships with large international third-party giants such as SGS, BV, TUV and Intertek. Excellent quality and top after-sales service help GBPI to be recognized by our customers.

» CERTIFICATE



Introduction

For a long time, there is a blank in the reference materials for packaging testing instruments in the industry. The Measuring Development Plan (2013- 2020) issued by State Council points out that Food safety, clinical laboratory, biological, environmental protection, material science become the focus of research and development of reference materials. Now, the reference materials of gas permeability, water vapor permeability and oxygen permeability produced by GBPI win the affirmation of Grade Secondary Reference Materials. GBPI becomes the first development organization of the reference materials of film permeability. These reference materials are mainly applied to the calibration and inspection of the gas permeability, water vapor permeability and oxygen permeability of packaging of food and drug. Reference Materials plays a very important role in packaging testing.



Function

The calibration film can be used to calibrating your machine to adjust your machine to keep its precision, adjust and identify instrument and devices.

Standards of Reference Materials

Reference Materials of Gas Permeability:

125µm Polyester Film Certified Reference Material of Gas Permeability

[Certificate Number: GBW (E) 130541]

300µm Polyester Film Certified Reference Material of Gas Permeability

[Certificate Number: GBW (E) 130542]

Reference Materials of Water Vapor Permeability:

125µm Polyester Film Certified Reference Material of Water Vapor Permeability

[Certificate Number: GBW (E) 130543]

300µm Polyester Film Certified Reference Material of Water Vapor Permeability

[Certificate Number: GBW (E) 130544]

Reference Materials of Oxygen Permeability:

25µm Polyester Film Certified Reference Material of Oxygen Permeability

[Certificate Number: GBW (E) 130497]

125µm Polyester Film Certified Reference Material of Oxygen Permeability

[Certificate Number: GBW (E) 130498]

(Note: Reference Materials of Gas Permeability are applicable to all oxygen permeability analyzers which adopt Pressure Differential Method; Reference Materials of Water Vapor Permeability are applicable to all water vapor permeability analyzers which adopt Dish Method; Reference Materials of Oxygen Permeability are applicable to all oxygen permeability analyzers which adopt Coulometric Sensor Method.)




Feature

A substance or material that has been determined to have a sufficiently uniform property value, as a "measuring device" in the analytical measurement industry.

Reference Value of Reference Materials

Reference Materials Polyester Film (PET)	Reference value of transmission rate	Specif-cation	Type
Reference Materials Polyester Film (PET)	GTR (11.2±2.1) cm ³ /(m ² ·24h· 0.1MPa)	125μm	Gas Perme-ability
Reference Materials Polyester Film (PET)	GTR (4.7±1.2) cm ³ /(m ² ·24h·0.1MPa)	300μm	
Reference Materials Polyester Film (PET)	WVT (4.4 ± 0.8) g/ (m ² ·24h)	125μm	Water Vapor Perme-ability
Reference Materials Polyester Film (PET)	WVT (1.8 ± 0.3) g/ (m ² ·24h)	300μm	
Reference Materials Polyester Film (PET)	OTR (62.8±2.9) cm ³ /(m ² ·24h)	25μm	Oxygen Perme-ability
Reference Materials Polyester Film (PET)	OTR (12.3±0.9) cm ³ / (m ² ·24h)	125μm	

Certification of Reference Materials

Functions	Type	Certificates
1. Calibrate, adjust and identify instrument and devices. 2. Product quality control during the production 3. Examine operation level the analyst 4. Test characteristic value of substance or material	Oxygen permeability Suit for all coulometric method oxygen permeability instrument	 
	Gas permeability Suit for all coulometric method gas permeability instrument	
	Water vapor permeability Suit for all coulometric method water vapor permeability instrument	