

Test Report

Report Number: RCEES-IETC/BG-26-0919-01-EN

Client: SHIJIAZHUANG TABO CANDLE SALES, LTD

Sample Name: Beeswax/Paraffin Wax/Soy Wax

Report Date: September 19, 2026


**Indoor Environment Testing Center, Research Center for Eco-
Environmental Sciences, Chinese Academy of Sciences**
IETC, RCEES, CAS

Precautions

1. A report is invalid if it lacks the 'Official Seal for Inspection and Testing' or the official seal of the testing entity.
2. A duplicate report is invalid unless it is re-stamped with the 'Official Seal for Inspection and Testing' or the official seal of the testing entity.
3. Any unauthorized alterations to this report shall render it null and void; the report shall be deemed invalid in the absence of the requisite signatures of the preparer, reviewer, and approver.
4. All detection reports must be typed.
5. A report not bearing the accreditation mark shall have no probative value for the public and is intended solely for the commissioning party.
Internal benchmarking or new product validation.
6. Any objections to the report shall be submitted to our agency within seven (7) days of receipt. Failure to do so within the specified period shall be deemed as acceptance of the detection report.
7. This institution warrants its responsibility solely for the sample(s) submitted for this inspection.
8. A copy of this report shall be provided by the Indoor Environment Testing Center, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences.

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**Research Center for Eco-Environmental Sciences, Chinese
Academy of Sciences**

Indoor Environmental Testing Center

Inspection Report

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Sample Name	Beeswax / Paraffin Wax / Soy Wax	Model Specifications	Beeswax / Paraffin Wax / Soy Wax
Trademark	None	Sample Source	Sample Submission
Sample Characteristic	Solid	Detection Category	Commissioned testing
Sample Size	3	Sample ID	TB-LZP-26091001~03
Test Items	Particulate Matter (PM2.5), Benzene, Toluene, TVOC	☒ Sample Receipt Date ☐ Date of Sampling	20260910
Client/Address	SHIJIAZHUANG TABO CANDLE SALES, . LTD B-1708, Lecheng Business, 260 Huai'an West Road, Qiaoxi District, Shijiazhuang C Hebei Province		
Manufacture /Address	None		
Detection start date	September 12, 2026	Date of detection completion	September 18, 2026
Inspection Site	Indoor Environment Testing Center, Research Center for Eco-Environmental Science Chinese Academy of Sciences		
Basis for Detection	In accordance with GB/T 18883-2022		
Evaluation Methods	/		
Detection Instrument	Agilent 8890 Gas Chromatograph, QC-2B Atmospheric Sampler, Dust Monitor, Photoionization Detector (PID) for Volatile Organic Compounds (VOCs)		
Commissioned by SHIJIAZHUANG TABO CANDLE SALES, . LTD., the Indoor Environment Testing Center of the Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, analyzed the air within a 3-cubic-meter test chamber for the concentrations of four pollutants: particulate matter (PM2.5), benzene, toluene, and TVOC. The analysis was conducted on the air both before and after the combustion of three different models of candles for four hours. The detailed test results are presented on page. (The following is blank) Official Seal: Report Issuance Date: September 19, 2026 Lead Inspector: <i>Xiaoxiao Qin</i> Reviewer: <i>Xueyan Chen</i> Approver: <i>[Signature]</i>			

Changbin Zhang

Sample Information and Photos

1、 Sampling Conditions:

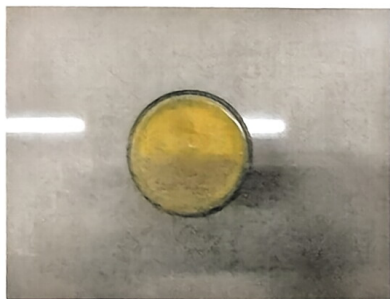
This test involved placing three different models of candles into a 3-cubic-meter test chamber to measure the levels of various pollutants before and during combustion.

The concentrations of four pollutants in the cabin air after 4 hours of operation, including Particulate Matter (PM2.5), Benzene, Toluene, and Total Volatile Organic Compounds (TVOC),

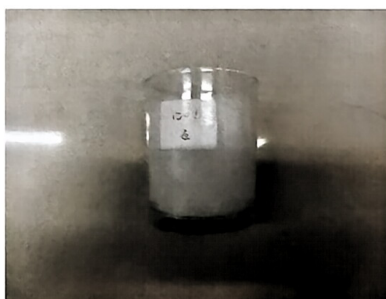
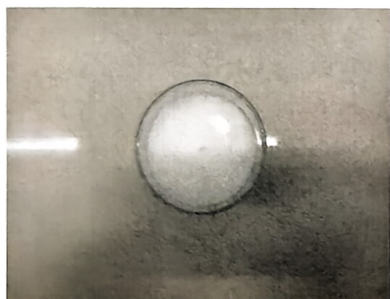
Particulate matter (PM2.5) was collected using a dust monitor; benzene and toluene were collected using Tenax-TA adsorption tubes; and TVOC was measured using a photoionization detector (PID).

2、 Sample photo:

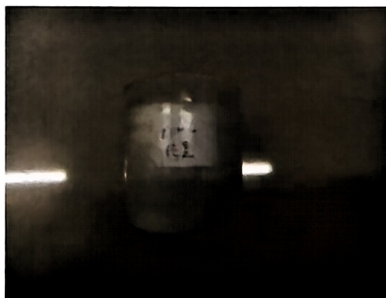
1# Beeswax



2# Paraffin wax



3# Soy Wax



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Sample Name	Sample ID and model number	Detection Items	Detection value		Unit	Standard limit values
Candle	26091001 1# Beeswax	Particulate Matter (PM2.5)	Pre-combustion	0.015	mg/m ³	≤0.05
			After combustion	0.040		
		Benzene	Pre-combustion	0.006	mg/m ³	≤0.03
			After combustion	0.007		
		Toluene	Pre-combustion	0.014	mg/m ³	≤0.2
			After combustion	0.014		
		TVOC	Pre-combustion	0.022	mg/m ³	≤0.6
			After combustion	0.023		
	26091002 2# Paraffin wax	Particulate Matter (PM2.5)	Pre-combustion	0.016	mg/m ³	≤0.05
			After combustion	0.048		
		Benzene	Pre-combustion	0.007	mg/m ³	≤0.03
			After combustion	0.019		
		Toluene	Pre-combustion	0.042	mg/m ³	≤0.2
			After combustion	0.558		
		TVOC	Pre-combustion	0.051	mg/m ³	≤0.6
			After combustion	0.579		
	26091003 3# Soy Wax	Particulate Matter (PM2.5)	Pre-combustion	0.015	mg/m ³	≤0.05
			After combustion	0.172		
		Benzene	Pre-combustion	0.004	mg/m ³	≤0.03
			After combustion	0.014		
		Toluene	Pre-combustion	0.059	mg/m ³	≤0.2
			After combustion	0.276		
		TVOC	Pre-combustion	0.065	mg/m ³	≤0.6
			After combustion	0.292		

Description of the detection method:

- 1、 Within a 3-cubic-meter test chamber, position the test candle at the center, approximately 50 cm above the chamber floor. Once the chamber is sealed, first measure the concentrations of four airborne pollutants: Particulate Matter (PM2.5), Benzene, Toluene, and Total Volatile Organic Compounds (TVOC).
- 2、 Light the candle and allow it to burn for 4 hours; subsequently, re-test the indoor air for the concentrations of four pollutants: particulate matter (PM2.5), benzene, toluene, and TVOC (Total Volatile Organic Compounds).
- 3、 Halt the test and completely evacuate the test chamber.

Proceed with the testing of the next candle model in accordance with the aforementioned steps 1, 2, and 3.

-----End of Report-----