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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 65.020

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GB/T 8140-2009

Replacing GB/T 8140-1987

Bleached Shellac

漂白紫胶

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Issued by: General Administration of Quality Supervision, Inspection and Quarantine;

Standardization Administration of the People's Republic of China.

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Foreword

This Standard was replaced by GB/T 8140-1987 *Bleached Lac*.

Compared with GB/T 8140-1987, the major changes of this Standard are as follows:

- Add the Normative References;
- Delete the requirements of mandatory test, optional test and note in technical requirements;
- Add four indicators and requirements of heat hardening time (thermal life), lead, arsenic and rosin;
- Delete inorganic acid, and two indicators of free chlorine and peroxide;
- Adjust the requirements of color index, hot ethanol insoluble matter, volatile matter (moisture), chlorine content, acid value and other indicators;
- Add the Clause 5 “Sampling”;
- Add the provisions of inspection classification and inspection items in the inspection rules;
- Add the requirements of ambient temperature for storage and transportation.

This Standard was proposed by State Administration of Forestry.

This Standard shall be under the jurisdiction of Institute of Chemical Industry of Forest Products, Chinese Academy of Forestry.

Drafting organization of this Standard: Research Institute of Resource Insects, Chinese Academy of Forestry.

Chief drafting staffs of this Standard: Shi Lei, Zhao Hong, Chen Xiaoming, and Gan Jin.

The historical edition replaced by this Standard is as follows:

- GB/T 8140-1987.

Bleached Shellac

1 Scope

This Standard specifies the technical requirements, sampling, test methods, inspection rules, as well as marking, packaging, storage and transportation of bleached shellac.

This Standard applies to light-colored shellac products obtained by chemical bleaching of shellac resin.

2 Normative References

The provisions in following documents become the provisions of this Standard through reference in this Standard. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Standard, however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 5009.11 Determination of total arsenic and abio-arsenic in food

GB/T 5009.12 Determination of lead in foods

GB/T 8142-2008 Methods of sampling lac products

GB/T 8143-2008 Test methods of lac products

3 Terms and Definitions

For the purposes of this Standard, the following terms and definitions apply.

3.1 Bleached shellac

Use original shellac or granular shellac as raw material; dissolve it in sodium carbonate solution or other weak alkaline solution; remove impurities or shellac wax; and bleach it with bleach to make light-colored shellac.

3.2 Bleached lac

The bleached shellac that contains wax.

7 Inspection Rules

7.1 Classification of inspection

The product inspection is divided into exit-factory inspection and type inspection.

7.2 Inspection items

7.2.1 Exit-factory inspection: color indicator, hot ethanol insoluble matter, volatile matter (moisture), waxy, and chlorine content.

7.2.2 Type inspection: all items listed in Table 1.

7.2.3 Type inspection shall be carried out in any of the following situations:

- a) During normal production, type inspection shall be carried out at least once a month;
- b) When there are major changes in raw materials, auxiliary materials and production processes;
- c) When production is resumed after a long-term shutdown;
- d) When the quality supervision agency proposes a type inspection requirement.

7.3 Batching rules

Products of the same production batch form one batch.

7.4 Judgment and reinspection rules

7.4.1 The quality department of the manufacturer shall inspect. Each batch of bleached shellac left the factory shall meet the requirements of this Standard. The mandatory indicators shall be inspected once within 2 months, and a quality certificate in a certain format shall be attached.

7.4.2 If any indicator in the inspection result does not meet the requirements of this Standard, re-sampling shall be taken from twice specimens and the unqualified index shall be re-tested. If it still does not meet the requirements, the product is unqualified.

7.4.3 If the supplier and the purchaser have any disputes over the inspection results, they shall be raised within 3 months after arrival. Both parties can jointly take 3 samples according to the sampling method cited in this Standard; keep one portion each; and entrust the other portion to the inspection department with corresponding qualifications for arbitration analysis.

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