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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 25394-2010

**Equipment for vine cultivation and wine making -- Mash pumps
-- Methods of tent**

葡萄栽培和葡萄酒酿制设备果浆泵试验方法

(English Translation)

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Foreword

This standard is identical with ISO 7224. 1983 "viticulture and wine making equipment Fruit pump test methods" (in English).

For ease of use, this standard made the following editorial changes.

--- The "this International Standard" by "this standard";

"," --- With a decimal point instead of a comma as the decimal point, "";

--- Deleted international standards foreword;

--- To ISO 7224. 1983 international standard referenced with the international standard has been adopted as the standard instead of the corresponding country, was not taken up Our standard is still used as a reference to international standards.

The Standard Appendix A, Appendix B, Appendix C, Appendix D, Annex E and Annex F is informative appendix.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee (SAC/TC201) Agricultural machinery centralized.

This standard was drafted. Xinjiang agricultural Machinery Testing Station, Suntime International Wine Co., Ltd..

Introduction

If pump operation mainly consists of the following.

--- Feeding grapes materials;

--- Grape piped through a long barrel fermentation, juice separator or press, these devices are placed at different heights of the spacer;

--- May be placed under an inert gas.

If the pump is driven by an engine, typically a motor. Complete electric pump form a pump.

If the pump can be fed.

--- Whole grapes;

--- Crushed grapes;

--- Sessile grapes;

--- Broken sessile grapes;

--- Dried grapes;

--- Heating of grapes;

---other.

Viticulture and wine making equipment If the pump test methods

1 Scope

This standard specifies the test method for testing grape fruit pump technology.

This standard applies to grape fruit pump.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 6005-2008 Test sieves - Metal wire cloth, perforated plate and electroformed sheet - basic mesh size (ISO 565.

1990, MOD)

ISO 3835-2 viticulture and wine-growing equipment - Terminology - Part 2

3 Terms and Definitions

ISO 3835-2 gives the following terms and definitions apply to this standard.

Displacement yield

Under steady load and a certain distance and mode of transport, the amount per unit time delivery of grapes.

Pumping height pumping height of the pump Under certain distance and transport mode input and output height difference.

Pump unit power power of the motor-pump group the maximum output of the power consumed by the motor driving.

Evaluation overall evaluation from the material feed, grape juice, fruit, stems, bark, seeds and physico-chemical properties average flow rate and energy consumption evaluation.

Energy energy consumption Unit mass of material consumed energy.

4 Test rule

From the qualitative and quantitative aspects were compared to a standard pump, used to evaluate the technical characteristics of different grape transfer pump.

5.1 Machinery

Cellar test should have the following means.