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NATIONAL STANDARD OF THE
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GB/T 13354-1992

**Test Method for Density of Adhesives in Fluid Form –
Method of Weight Cup**

液态胶粘剂密度的测定方法 重量杯法

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Table of Contents

1 Subject Contents and Applicable Scope	3
2 Definition	3
3 Apparatus	3
4 Test Procedures	3
5 Method of Calculation	4
6 Test Report	4
Additional Information:	5

Test Method for Density of Adhesives in Fluid Form – Method of Weight Cup

1 Subject Contents and Applicable Scope

This Standard specifies the method for measuring the density of liquid adhesives and their components by a 37.00mL weight cup.

This Standard is applicable to the determination of the density of liquid adhesives; especially for liquid adhesives whose viscosity is higher or the components are more volatile, and it is not appropriate to use the pycnometer method to determine the density.

2 Definition

Density: The mass per unit volume of the liquid adhesive at a specified temperature (weight in a vacuum). The density in this method is obtained through dividing the mass of the liquid adhesive in a weight cup with a capacity of 37.00 mL at 20°C by 37.00mL.

3 Apparatus

3.1 Weight cup: a metal cup with a capacity of 37.00 mL at 20°C.

NOTE: The domestically-produced weight cup that satisfies this Standard is called "QBB Specific Gravity Cup".

3.2 Constant temperature bath or constant temperature room: Can maintain at $23\pm1^{\circ}\text{C}$.

3.3 Balance: Sensitivity is 0.001g.

3.4 Thermometer: 0~50°C, with division of 1°C.

4 Test Procedures

4.1 Prepare an adhesive sample sufficient for three tests.

4.2 Wash the weight cup by a volatile solvent and dry it.

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