



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

DROP POINT APPARATUS FOR PARAFFIN WAX - ASTM D3954 - FULLY AUTOMATIC



Compliance with following International Standards:

ASTM D3954

Purpose:

This instrument is suitable for detecting the dropping point of all non-liquid waxes including paraffin wax, microcrystalline wax, polyethylene wax, blended wax and natural wax.

Summary of test method

In this test method, the dropping point is defined as the temperature at which the wax suspended in a cylindrical cup, with a 2.8-mm dipmeter hole in the bottom, flows downward a distance of 19 mm to interrupt a light beam as the sample is heated at a constant rate in air.

Apparatus Details:

The complete test assembly consists of following parts & accessories

1) Grease Cup:

- A chromium-plated brass cup conforming to ASTM Standard D566

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006.
Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
Tal-Daskroi, Ahmedabad-382 433.
Phone: (079)-3520 8300
E-mail : info@eieinstruments.com

GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



2) Test Tube:

- A test tube of heat-resistant glass with rim,
- 100 to 103 mm in length
- 11.1 to 12.7 mm in inside diameter
- Provided with three indentations about 19 mm from the bottom, equally spaced on the circumference.

3) Thermometers:

- Temperature range : -5 to 300 C
- Thermometer Number : ASTM 2C / IP 62C

4) Cork for test tube:

- Cover for test tube

5) Brass rod (Metal Rod):

- 1.2 - 1.6 mm in diameter
- 150 - 152 mm in length

6) Heating device (Magnetic Stirrer With Heater):

- Totally enclosed unit
- Easy to use & clean
- Designed for use even in corrosive atmosphere
- Fully automatic heating cum magnetic stirring device with sample detecting sensor
- Touch screen HMI & Programmable PLC Controller
- Fully guided and automated on screen instructions
- Last 10 readings can be stored and viewed in the touch screen controller
- Saved reading can be transferred to computer in excel file through USB port.
- Better speed regulation even with small volume and low speeds
- Accurate stepless speed control THROUGH HMI Touch Screen maintains excellent speed stability.
- Consist of 400 ml glass beaker as oil bath
- Beaker is placed on the top surface of the magnetic stirrer and bath temperature is raised to 20-25°C below the expected drop point of grease.
- Supplied with PTFE coated stirring paddle 9 X 25 mm
- Temperature Accuracy : $\pm 1^{\circ}\text{C}$
- Sample Stirring Capacity : Max Volume 1000 MI (Water)
- Max. Stirring speed : 1200 RPM
- Heating Surface Plate Dim : 135mm X 135mm
- Heating plate material : Stainless Steel
- Max Temperature Range : 400°C

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006.
Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
Tal-Daskroi, Ahmedabad-382 433.
Phone: (079)-3520 8300
E-mail : info@eieinstruments.com

GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

- Power Requirements : 220 Volt, 50 Hz, Single Phase, AC Power supply

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006.
Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
Tal-Daskroi, Ahmedabad-382 433.
Phone: (079)-3520 8300
E-mail : info@eieinstruments.com

GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F