

About ISSR

It is a public institution (based in Sulaimani city-Iraq) affiliated to the Ministry of Higher Education of the Kurdistan Region of Iraq (KRI).

Vision

Becoming a reliable Centre of Excellence for strategic studies to address national and global challenges.

Mission

- 1- Delivering cutting-edge research and strategic studies to find knowledge-based solutions to local, national, and global challenges and needs.
- 2- Fostering interdisciplinary research to tackle complex problems and drive innovation.
- 3- Producing reliable data and knowledge that can inform decision-making and empower communities, especially marginalized and underserved communities.
- 4- Building extensive networks and research collaborations, locally and internationally.
- 5- Developing high-quality research capacity building and consultation.

Field and Application

viscometers have the following applications in chemical industry

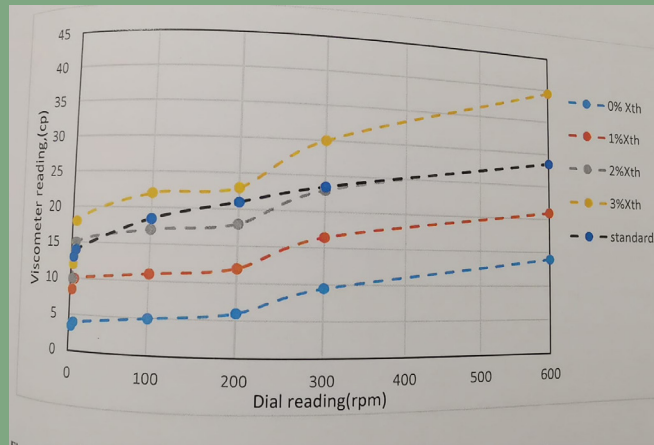
- 1-Oil and Gas
- 2-Food and Beverage
- 3-Cosmetics and Personal care
- 4-Pharmaceuticals
- 5-Polymer production
- 6-Formulation development
- 7-Quality control



Six Speed Rotational
Viscometer

Description

The six-speed rotary viscometer can be used to measure various parameters, plot the rheological curves according to the measured values for multi-points, determine the flow pattern of fluids in the process of flowing, choose suitable calculated equations and analyze the rheological parameters of in-situ drilling fluids



Result Explanation

This figure shows the measure viscosity at different speeds starting from the low shear stresses 3 and 6 rpms to moderate 100 and 200 rpms and high shear stresses of 300 and 600 rpms. With increasing the shear stress and rotation speed per minute, the shear rate increases.

Sample Type

They are well-suited for measuring the viscosity of a wide range of different sample types, including oils, paints, resins, and a variety of food items.

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