

GOA UNIVERSITY
SCHOOL OF CHEMICAL SCIENCES
REPORT

**Demonstration of Moisture Analyser (Borosil) Instrument by Mr. Vishal Kale, Officer -
Product Management, Borosil Scientific Limited in SCS on 26/07/2024**

School of chemical sciences organised a Demonstration of Instrument under the theme of "Awareness of trends in technology" as per following details:

Name of activity: Demonstration of Moisture Analyser (Borosil) Instrument
Name of Demonstrator: Mr. Vishal Kale, Officer - Product Management,
Borosil Scientific Limited
Date & Time: 26/07/2024; 11:30 am
Venue: SCS Instrumentation room - I

The objective of this demonstration session was to apprise the PhD students and faculties about the recent improvement in technologies for moisture content analysis. Although the instrument works on the simple principle of loss on drying, the instrument which has inbuilt sensitive balance and heater synchronised for the purpose of analysis, modified to achieve high accuracy and precision and also improved limit of detection.

This activity was coordinated by Dr Hari K. Kadam under guidance of Officiating Dean Prof. Sunder Dhuri.

Dr Hari welcomed the demonstrators and the attendees. The instrument demonstrator Mr. Vishal Kale was also accompanied by Mr. Sawapnil Gandale, Borosil Scientific Limited. Both of them have experience of handling such instrumentation for diverse applications in moisture analysis of industrial samples.

Mr. Vishal explained the basic principle of working of this instrument and elaborated on specifications and working parameters of the instrument like the sample quantity, analysis run time, heating temperature range, standard deviation and limit of detection of the instrument. He also explained the use of instrument for moisture content analysis in pharmaceutical industries, Environmental testing labs, Food processing and packaging industries, Paint industries, Cosmeceutical industries, cement industries, sugar factories, etc.

Mr. Vishal demonstrated the operation of instrument with standard compounds like disodiumtartate dihydrate. PhD Students were also allowed to analyse some of their samples on this demo instrument.

This session led to highly informative discussion on sample parameters among the participants, and the resource person resolved all the queries raised by faculties and PhD

students regarding instrument specifications, sensitivity, calibration, error percentage, etc. The program ended with vote of thanks by Dr. Hari K. Kadam.

The session was very informative for research students. Students gained knowledge about recent sophistication developed in the technologies for moisture analysis. PhD students also benefited by analysing some of their research samples on this instrument.

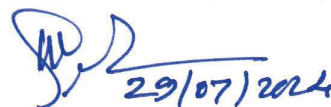
This session was attended by 07 faculties and 09 PhD students of School of Chemical Sciences, Goa University. (Attendance copy and photos attached)

Reported by



Dr. Hari K. Kadam

(Demonstration Coordinator)



29/07/2024

Prof. V. M. S. Verenkar

Dean, SCS

Theme: Awareness of Trends in Technology



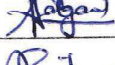
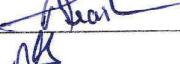


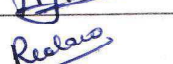









Title: Demonstration of Moisture Analyser (Boroxil)

Speaker: Mr. Vishal Kale, Product Management Officer, Boroxil.

Date: 26/07/2024

Time: 11:30 am

Venue: Instrumentation room

Sr No.	Name	Sign
01	Dr HARI K. KADAM	
02	Leo F. B. D'Souza	
03	Siddhi K. Selgaonkar	
04	Apetsha A. Naik	
05	Pritesh P. Khobrevkar	
06	Shreyali Ainkar	
07	Raneet Gawade	
08	Ria Colaco	
09	Shubham R. Naik	
10	Dr Delicia A. Barretto	
11	Dr. Kedar U. Marathe	
12	Dr. Amrita Kharangate	
13	Siya Gauns	
14	Snehal Chandekar	
15	Kanchanmala Deshpande	
16	S.N. Dhuri	

















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NOTICE

School of chemical sciences is organising a Demonstration of Instrument under the theme of "Awareness of trends in technology" as per following details:

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All are invited to attend.


26/7/2024
Off. Dean, SCS