

SHORT TERM TRAINING PROGRAM 2018

SIGNIFICANCE OF WATER ANALYSIS.....

MAARC LABS PVT LTD. is a leading commercial analytical laboratory in India for sugar and water testing accredited by NABL, as per ISO/IEC 17025 and recognized by Bureau of Indian Standards & Food safety & Standards Authority of India (FSSAI) The laboratory is also having global recognition from The Coca Cola Company and PepsiCo International for Sugar & Syrup testing. For last 20 years we organize training programs for sugar mills & so far more than 600 technologists have been benefited from this activity. Theory on important topics by authorities on the subject and practicals under supervision of experts is the specialty of these programs. Through these programs technologists get good idea about establishment of ideal laboratory in their mills for sugar and water testing. This year training programs would focus on -

Program No 1- Significance of water analysis for High Pressure Boilers in Co-generation plants

The number of sugar mills going for Co-generation is increasing day by day and therefore mills are facing problem of acute shortage of trained manpower in laboratories. The significance of accurate analysis of water is now well understood for high pressure boilers, as errors in results and wrong interpretations can lead to huge losses. In our program we have included analysis of all the parameters specified by IS: 10496 at the desired lower detection limit.(e.g. Silica at 0.02ppm)

Program No. 1: Significance of water analysis used in High Pressure Boilers of Co-Generation Plants	
A) Practicals	
➤ Total hardness	➤ Total alkalinity
➤ pH value	➤ Chloride
➤ Oxygen consumption in 4h	➤ Total dissolved solids
➤ Silica (Higher & Lower range)	➤ Ammonia
➤ Electrical conductance	➤ Hydrazine
➤ Phosphate	➤ Dissolved O ₂
➤ Caustic alkalinity	➤ Turbidity
Calibration: pH meter, Spectrophotometer, Conductivity meter.	
B) Theory Lectures	
• Principles of water chemistry	• Water treatment techniques
• Basics in Analytical chemistry	• Silt Density Index
• Boiler water problems	
C) Course Period: Three days : Batch I : 30 th July to 1 st August 2018	
D) Course Fee: Rs. 6500/- + GST Extra: @ 18%	

Terms & Conditions:

- Course fee includes Course material and Lunch.
- 10 % Discount to factories with 3 or more candidates per course.
- Special batch can be organized for candidates from one group of factories.
- If scheduled batches are full, additional batch will be taken in Sept. 2018.

Faculty:

- Dr.(Mrs) V.S. Keskar, Vice President ICUMSA, Referee GS 9 (PWS)
- Dr. S. S. Nimbalkar; Asso. Referee ICUMSA (Microbiology and Chemical Methods)

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