



National Award for
Outstanding Entrepreneurship - 2010



National Award for
Quality Products in Instrumentation - 2002

Vaiseshika[®]
Where Quality and Standards Meet

'Vaiseshika' Digital Iodine Value Meter : 7706



Description

It has been designed for the Edible Oil Industry to determine the Iodine Value Number of commonly available oils like Coconut Oil, Groundnut Oil, Sunflower Oil, Soyabean Oil, Mustard Oil and other similar edible oils. This instrument has been designed and manufactured in technical collaboration with the Central Scientific Instruments Organisation, Chandigarh under the Technology Modernization and Upgradation Mission for Oil and Pulses Industry launched by the Ministry of Agriculture, Government of India, New Delhi.

Iodine Number is the Number of centrigrams of Iodine absorbed by one gram of oil or fat. Iodine Number is the most valuable parameter for differentiating or identifying oils and this Number quickly indicate the group to which the oil belongs. The unsaturated acids of oleic, linoleic, linolenic or less saturated series and their glyceryl esters, absorb halogens to form mainly addition products. One molecular weight of triglyceride olein absorb 6 atomic weights of Iodine, where as one linolenin would absorb 18 atomic weight of Iodine.

Advantage

Presently in the Oil and Pulses Industry the Iodine Number is being determined using wet chemical analysis in which number of reagents like chloroform, halogen chloride, glacial acetic acid, potassium iodide, hydrochloric acid, sodium thiosulphate solution and glasswares, chemical laboratory and analytical chemist is required. The entire existing process of estimation of Iodine Number is very cumbersome. This Iodine Value Meter is a simple, low cost, portable and easy-to-operate instrument which can give the value of Iodine Number directly on digital display in an electronic instrument.

Technical Specification

Type	Digital
Measuring Range	0 to 1999 Iodine Number
Accuracy	± 2 Iodine Number of The Range
Resolution	01 Iodine Number
Display	3 1/2 LCD with auto polarity
Electrode	Combination electrode
Power Required	battery operations and 220 V AC50HZ
Dimensions (in cm)	14(L)x 18(D)x 26 (H)
Weights	2 Kg (Approx.)

For further information on all the products in this Bulletin, please write us on :

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