

INTRODUCTION

One Used Vegetable Oil sample was submitted by the client for Insoluble Impurities, Moisture, Unsaponifiable Matter, Free Fatty Acid and Acid Index determination.

METHODOLOGY

Insoluble Impurities: Group 2 – pg 62-63¹
 Moisture: Dean and Stark Distillation²
 Unsaponifiable Matter: Chapter 16² – Chapter 16; pg 524-525
 Free Fatty Acid: AOAC³ official Method (2000) 940.28
 Acid Value: By Calculation (using the % Free Fatty Acid Value)

RESULTS

Analysis	SAMPLE VALUE
	Seal # 272867 Used Vegetable Oil; Trin # 17 A 0010/11
Insoluble Matter, % ^(W/W)	0.16
Moisture, % ^(W/W)	0.35
Unsaponifiable Matter, % ^(W/W)	0.59
Free Fatty Acid, (as Oleic Acid) % ^(W/W)	4.64
Acid Index (as Oleic Acid) % ^(W/W)	9.23

Dates Analysed: 2011-01-07 to 2011-01-10



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