

**WESTERN NEW YORK ENERGY
MIKE LANGDON
PO BOX 191
MEDINA NY 14103-0191**

REPORT OF ANALYSIS

For: (22953) WESTERN NEW YORK ENERGY
CORN OIL
MRL070319
Corn Oil

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
Sample ID: 6/28/19 Lab Number: 13260933						
Moisture (vacuum oven - 70°C)	0.79	%	0.01	AOAC 969.35	vrm7-2019/07/08	cmw4-2019/07/08
Insolubles	0.21	%	0.01	AOCS Ca 3a-46	vrm7-2019/07/08	cmw4-2019/07/08
Unsaponifiable matter	1.29	%	0.10	AOCS Ca 6a-40	caj4-2019/07/11	tat9-2019/07/12
Total Fatty Acid (Calc)	97.7	%	1.0	Calculation	Auto-2019/07/11	Auto-2019/07/12

All results are reported on an AS RECEIVED basis.

For questions please contact:



Heather Ramig
Account Manager
hramig@midwestlabs.com (402)829-9891

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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MEDINA NY 14103-0191****REPORT OF ANALYSIS****For: (22953) WESTERN NEW YORK ENERGY
CORN OIL
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Corn Oil****Detailed Method Description(s)****Vacuum Moisture**

Analysis follows FO 02 or FD 018, both of which are based on AOAC 969.35. Samples are placed in aluminum tins and dried in a 60C or 70C vacuum oven (20-25 mm Hg) for 4 or 18 hours, with or without digest pure quartz sand. Loss in mass is reported as moisture.

Insolubles

Analysis follows MWL FD 044 which is based on AOCS Ca 3a-46. Oils and greases are dissolved by heat and kerosene, filtered through a Gooch Crucible and dried. The increase in mass or filter paper is reported as insolubles.

Unsaponifiable matter

Sample analysis follows MWL WC 053 which is based on AOCS Ca 6a-40. The sample is treated with sodium or potassium hydroxide to saponify the triglycerides. Any fat remaining in the sample is extracted with petroleum ether and washed with alcohol to remove the polar materials. The ether is evaporated and the remaining material is reported as the unsaponifiable matter

Calculation

Analytical results are entered into applicable formulas to provide a calculated result which is reported.

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