

# VIOBIN<sup>®</sup>

## U.S.A.

A Division of McShares, Inc.

### PRODUCT DESCRIPTION

<b>043</b>	
<b>VIOBIN Unrefined Wheat Germ Oil</b>	
Free Fatty Acids*	<10.0 %
Acid Value	<20.0 mg KOH/g
Peroxide Value	< 5.0 meq O <sub>2</sub> /kg
Saponification Value	170-195 mgKOH/g
Iodine Value	120-130 gl <sub>2</sub> /100g
Residual Solvents*	<5ppm typically
Phosphatides	5.0-7.0 %
Unsaponifiable matter	3.2 -5.0%
Lecithin	39,000mg/kg (variable)
Sterols	1.0-2.4%
Total Tocopherols (Vitamin E)	2-4 mg/g
Octacosanol	80.2 mcg/g
Density at 20° C	0.925
Refractive Index at 20° C	1.4765
Chill Test*	Pass
Clarity*	<1.0 NTU
Color (Gardner)*	12
Specific Gravity	0.925
Triglycerides	85-90 %
<b>Predominant Fatty Acids</b>	
16:0 Palmitic	15.3-17.0 %
18:0 Stearic	0.66-0.63%
18:1 Oleic	13.2-15.1 %
18:2 Linoleic	49.8-57.0 %
18:3 Linolenic	7.6-9.4 %
Halogenated Hydrocarbons	<0.2 ppm
Malathion	<8.0 ppm

\* Indicates those parameters tested on each lot and reported on COA. The other information indicates typical results.