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## **Black Berry Seed Oil**

*Rubus Laciniatus*

Black Berry Seed Oil is a rich source of polyunsaturated fats including omega 3 fatty acid and antioxidants including both tocopherols and tocotrienols. Tocopherols are primarily gamma tocopherol and alpha tocopherol which contribute to the superior free radical scavenging and lipid protection. It is very low in saturated fat. The level of polyunsaturated fat (PUFA) at 70% and more is high. PUFAs may act as mediators for nervous, endocrine and immune systems by different mechanisms including alteration of membrane structure, influence on gene expression and alteration of prostaglandin production. Black Berry seed oil is valuable for medicinal and skin applications.

<b>Antioxidants as measured by ORAC</b>	52.3umoleTE/g
<b>Fatty Acid Composition</b>	
Palmitic Acid	4.47%
Stearic Acid	3.7%
Oleic Acid	19.4%
Linoleic Acid	52.3%
Linolenic Acid	20.2%
Saturated Fat	4-5%%
Monounsaturated Fat	18-20%
Polyunsaturated Fat	70-76%%
Omega –3 Fatty Acid (Polyunsaturated Fat)	20-22%%
Linolenic Acid C18.3	
Omega – 6 Fatty Acid (Polyunsaturated Fat)	52-56%%
Linoleic Acid C18.2	