FUSEL IOL: ITS COMPOSITION AND EFFECT ON THE BODY

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Abstract: The smell, taste and effect of Fusel oil on the body. Effects of heavy alcohol consumption on the body. Description of compounds in fusel oil and changes in the human body. About the importance of the standard of dangerous compounds in the composition.

Key words: Fusel oil, methanol, propanol, isobutyl alcohol, isoamyl alcohol, hexyl alcohol, aldehydes, furfurol, propylaldehyde, arcolin, acids, broadcasts.

When I first decided to study this topic, I hesitated. Is fusel oil distilled or retified? Many people have discussed this topic, but it is a difficult topic to study. Everyone's perspective is drastically different. Studying this topic and reaching the end is one of the most difficult issues.

In this article, I am not going to talk about the benefits or harms of fusel. Excessive consumption of alcohol has a negative effect on the body. I would like to dwell on the composition, properties and effects of Fusel oil.

Fusel oil: its smell, taste and effect on the body are as follows. Fusel oil consists of alcohols, aldehydes, acids, esters and other compounds. The reason it is called oil is its consistency. Fusel oil has a negative effect on the body. When the content of alcoholic beverages exceeds the given standard norm, the following changes may occur in the body. It has been observed during the experiments that it causes poisoning, upset stomach, reduced vision, and even loss of vision.

All additives in alcoholic beverages are poisonous. The difference is only in the permissible amount of the substance in the solution.

Methanol. The most dangerous compound in fusel oil. Methanol can cause many diseases in the body. Over time, methanol accumulates in the body. It has no taste or smell. Despite the toxic element, the content of methanol is allowed in the amount of 0.03% of ethanol.

Propanol. Pungent smelling, poisonous alcohol.

Isobutyl alcohol. It is toxic in small amounts, but accumulates in the body. High concentration causes cancer. A compound with a distinct Fusel oil smell.

Isoamyl alcohol. It is one of the main compounds of Fusel. It is very poisonous and can cause poisoning due to its pungent smell. It has an unpleasant smell and taste.

Hexyl alcohol. Compound with the smell and taste of bitter oil.

Aldehydes. Like alcohol, aldehydes are dangerous.

Furfurol. This is a very toxic element.

Acetic aldehyde. It appears in the highest amount during the cooking process. One of the products with a suffocating smell.

Propylaldehyde. It has a suffocating smell similar to vinegar. Toxic properties were also observed in experiments.

Arcolin. It is one of the most dangerous aldehydes. If the amount exceeds the standard, it becomes a poison and spreads in the body. It can cause a huge amount of damage to human health.

Acids. When the amount in the human body increases, it harms human health. Because part of this acid is produced by the human body. But the certain beneficial aspect has not been proven in science.

But all the compounds listed above give alcoholic products a unique taste and aroma.

Broadcasts. Like acids, its overdose is dangerous. But due to its alcohol content, it can embody a pleasant smell and a mild taste. It is widely used in the field of perfumery.

In conclusion, if all the given Standard requirements are followed in alcohol production, distillation, and retrifification, it is clear that the amount of toxic fusel oil will be reduced to a minimum. If we consume alcoholic products produced in accordance with all requirements, there will be no significant changes in our health. Do not forget to follow the norm in everything!

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