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# EXTRACT PISTACHIO HULL

PISTACHIO HULL (EXTERNAL SOFT SHELL OF PISTACHIO) IS THE MAJOR PART OF PISTACHIO BY-PRODUCT THAT HAS A HIGH CONTENT OF BIO-ACTIVE COMPOUNDS (SUCH AS POLYPHENOLS, TOCOPHEROLS, DIETARY FIBERS, ESSENTIAL OILS, AND UNSATURATED FATTY ACID) WITH ANTIOXIDANT PROPERTIES AND HEALTH-PROMOTING EFFECTS.



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**INFO@DIZBA.CA**

# Pistachio Hull Extract

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Pistachio hull (external soft shell of pistachio) is the major part of pistachio by-product that has a high content of bio-active compounds (such as polyphenols, tocopherols, dietary fibers, essential oils, and unsaturated fatty acid) with antioxidant properties and health-promoting effects.

Studies have demonstrated how pistachio hull extract acts as an antioxidant, cytoprotective, and photoprotective and shows antibacterial, anti-inflammatory, anti-melanogenic, and anti-mutagenicity properties.

Several studies evaluated the use of pistachio hull as a source of healthy and technological compounds that could be used in food and pharmaceutical industries to improve their product stability and nutritional characteristics.



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Fresh pistachio skin is separated from pistachio fruit during processing and has been discarded as pistachio waste for many years and is a cheap source of phenolic compounds. Pistachio and its skin are rich sources of phenolic, antioxidant and anti-inflammatory compounds such as Gallotannins, Myricetin, Gallic acid and Quercetin. These are among the top 50 rich sources of phenolic compounds; these compounds are more commonly found in pistachio skin than pistachio kernel.



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