THE PHYSICO- CHEMICAL CHARACTERISTICS OF THE SELECTED CURCUMA SPECIES

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ABSTRACT: This study examines the physio-chemical characteristics of selected Curcuma species, focusing on their physical properties, and phytochemical properties. Various Curcuma species were analyzed to determine differences in color, odor, pH levels, and total bioactive compounds, among other parameters. The findings highlight significant variations in antioxidant activity, curcuminoid concentration, and mineral composition, which are crucial in assessing their potential applications in medicine, food, and cosmetics. The results provide essential insights into the nutritional and functional properties of these species, supporting their value in health-related industries and s

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