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Title: Process intensification for producing powdered extracts rich in bioactive compounds: An economic approach

Author: Giovani L. Zabet Iuri P. Bitencourte Marcus V. Tres
M.A.A. Meireles



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Highlights

The process comprises extracting and precipitating compounds in sequence

Quercetin-rich powdered extracts were obtained from onion peels (food waste)

The microparticle yields and concentration of quercetin are presented

The costs of manufacturing ranged between US\$ 45.50 to US\$ 475.46/kg
microparticles

Itemized costs, returns on investment, gross margins and payback times are provided

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