

Title: ANTIOXIDANT ANTHOCYANIN EXTRACT AND OBTAINING PROCESS FROM WASTE YEAST BIOMASS FROM WINE INDUSTRY

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Category: A.

Description: According to the invention, an anthocyanin extract is proposed, which is obtained by thawing the yeast biomass from winery waste, homogenizing the suspension and autolysis at +45°C for 8 hours or autolysis at +45°C for 8 hours in sodium phosphate buffer solution, centrifuging the suspensions, treating the remaining biomass with 50% ethyl alcohol, extracting for 30 min with agitator and centrifuging the suspension. The total content of anthocyanins in the extract is $65.60 \pm 0.5 - 134 \pm 2.6$ mg/L. Areas of application: Environment-Pollution Control, Zootechnics, Agriculture, Medicine - Health Care-Cosmetics and Pharmaceutical Industry. The research was carried out within the project 20.80009.5107.16, funded by NARD.

State of development: Implementation: The product is used in laboratory at the Scientific-Practical Institute of Biotechnologies in Animal Husbandry and Veterinary Medicine.

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Presentation link: <https://imb.md/en>