

# Honey Nutribar

## Microbiological analysis of Honey nutribars



## Sensory analysis of cereal bars



## Laboratory scale cost of production:

P15.00/piece (ingredients, irradiation cost, personnel/workforce, and utilities)



For more information on Honey Nutribar, please contact:

**Ms. Zenaida M. de Guzman**

Head, Biomedical Research Section, Atomic Research Division  
Department of Science and Technology – Philippine Nuclear  
Research Institute  
Commonwealth Avenue, Diliman, Quezon City  
Tel. no. 929 - 6010 to 19 local 273  
Email: [zmdeguzman@pnri.dost.gov.ph](mailto:zmdeguzman@pnri.dost.gov.ph)



**Department of Science and Technology  
PHILIPPINE NUCLEAR RESEARCH INSTITUTE**

Commonwealth Avenue, Diliman, Quezon City  
PNRI Trunkline: (632) 929.6010 to 19  
Website: [www.pnri.dost.gov.ph](http://www.pnri.dost.gov.ph)  
Facebook: DOST - Philippine Nuclear Research Institute

Printed with funding support from:



**TECHNOLOGY APPLICATION AND PROMOTION INSTITUTE**  
DOST Compound, Gen. Santos Ave., Bicutan, Taguig City  
Tel. No.: (632)837-6188 Fax (632) 837-2936

### **DISCLAIMER**

*All information in this brochure/flyer or leaflet  
do not necessarily reflect the position or policy of the institute.*

July 2017





The ready-to-eat honey nutribar is made from blends of natural ingredients such as pinipig (pounded glutinous rice), honey, dried fruits, rice crispies and pectin. It contains carbohydrates, soluble dietary fiber and protein.



The bars are vacuum-packed in laminated aluminum foil pouches and irradiated at a dose of 1 kilogray gamma radiation at PNRI's Multipurpose Irradiation Facility. The product stays fresh for at least nine months at room temperature.

Nutritious, tasty and filling, the honey nutribars can be the immediate food supply following a storm, earthquake, flood, or other disasters/emergencies.

Other uses of the honey nutribar are as energy source during athletic events like marathon, triathlon, and other sports events and outdoor activities and as on-the-go snack of busy individuals, vacationers, and military personnel.

## Methodology for Development of Honey Nutribar

Mixing of dry ingredients



Nutribars ready for cutting



Vacuum packaging



Placing of dosimeters in each box prior to irradiation at the Cobalt-60 Irradiation Facility



Tote boxes with boxes of nutribars being prepared for irradiation.