



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME : **COFFEE BEAN EXTRACT-P** (FOOD)

This product is extracted with aqueous ethanol from coffee beans, the seeds of *Coffea canephora* (Rubiaceae). It guarantees minimum of 24.0 % of chlorogenic acid and 45.0 % of chlorogenic acids. This powder is water-soluble.

<u>Appearance</u>	Yellowish powder with light unique smell.	
<u>Chlorogenic acid</u>	Min. 24.0 %	(HPLC)
<u>Chlorogenic acids</u>	Min. 45.0 %	(HPLC)
<u>Loss on Drying</u>	Max. 10.0 %	(Analysis for HygienicChemists, 1g, 105 °C, 2 hr)
<u>Purity Test</u>		
(1)Heavy Metals (as Pb)	Max. 30 ppm	(Sodium Sulfide Colorimetric Method)
(2)Arsenic (as As₂O₃)	Max. 1 ppm	(Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)
<u>Standard Plate Counts</u>	Max. 1×10 ³ cfu/g	(Analysis for Hygienic Chemists)
<u>Moulds and Yeasts</u>	Max. 1×10 ² cfu/g	(Analysis for Hygienic Chemists)
<u>Coliforms</u>	Negative	(Analysis for Hygienic Chemists)
<u>Composition</u>	<u>Ingredient</u>	<u>Content</u>
	Coffee Bean Extract	100 %
<u>Expiry date</u>	2 years from date of manufacturing.	
<u>Storage</u>	Store it in a cool, dry, ventilated area with desiccant. Keep it away from high temperature and sunlight, and store it in a closed container.	

Established Date	December 1, 2011
Revised Date	July 28, 2017
Specification No.	N-728TO