



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME : **COCOA EXTRACT-P** (FOOD)

This product is extracted from cocoa seed, the seed of *Theobroma cacao* Linne (*Sterculiaceae*) with aqueous ethanol. It guarantees minimum of 10.0 % theobromine and 20.0 % polyphenols.

<u>Appearance</u>	Brown to dark brownish powder with slight unique aroma.	
<u>Theobromine</u>	Min. 10.0 %	(HPLC)
<u>Polyphenols</u>	Min. 20.0 %	(Folin-Denis method)
<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 As ₂ O ₃)	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>
	Cocoa 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	April 26, 2005
Revised Date	October 13, 2023
Specification No.	Z-313EN