



## 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.

<b><u>Appearance</u></b>	Pale reddish brown to dark brownish powder with slight unique aroma.	
<b><u>Theobromine</u></b>	Min. 10.0 %	(HPLC)
<b><u>Polyphenols</u></b>	Min. 20.0 %	(Folin-Denis method)
<b><u>Loss on Drying</u></b>	Max. 10.0 %	(Analysis for HygienicChemists,1g, 105 °C、 2 hr)

<b><u>Purity Test</u></b>		
(1) Heavy Metals (as Pb)	Max. 30 ppm	(Sodium Sulfide Colorimetric Method)
(2) Arsenic (as As <sub>2</sub> O <sub>3</sub> )	Max. 1 ppm	(Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)

<b><u>Standard Plate Counts</u></b>	Max. 1×10 <sup>3</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Moulds and Yeasts</u></b>	Max. 1×10 <sup>2</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Coliforms</u></b>	Negative	(Analysis for Hygienic Chemists)

<b><u>Composition</u></b>	<b><u>Ingredient</u></b>	<b><u>Content</u></b>
	Cocoa Extract	100 %

<b><u>Expiry date</u></b>	2 years from date of manufacturing.
<b><u>Storage</u></b>	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	June 2, 2025
Specification No.	G-508MM

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