



ORYZA OIL & FAT CHEMICAL CO.,LTD.

1 Aza Numata Kitagata Kitagata-cho Ichinomiya-city, Aichi-prefecture 493-8001 JAPAN
Phone:+81-586-86-5141 Facsimile:+81-586-86-6191
URL/http://www.oryza.co.jp/ E-mail:info@oryza.co.jp

PRODUCT STANDARD

PRODUCT NAME : **COCOA EXTRACT-PC** (COSMETIC)

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 slightly characteristic odor.	
<u>Theobromine</u>	Min. 10.0 %	(HPLC)
<u>Polyphenols</u>	Min. 20.0 %	(Folin-Denis method)
<u>Loss on Drying</u>	Max. 10.0 %	(1 g, 105 °C、 2 hr)
<u>Purity Test</u>		
(1)Heavy Metals (as Pb)	Max. 30 ppm	(The Second Method of The Japanese Standards of Quasi-Drug Ingredients)
(2)Arsenic (as As ₂ O ₃)	Max. 1 ppm	(The Third Method of The Japanese Standards of Quasi-Drug Ingredients)
<u>Standard Plate Counts</u>	Max. 1×10 ² 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>
	Theobroma Cacao(Cocoa) Extract	100 %

Expiry date 2 years from date of manufacturing.
Storage 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 19, 2017
Specification No.	Z-719EN