



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 : **CISTANCHE TUBULOSA**
EXTRACT-P25 (FOOD)

This product is extracted from *Cistanche tubulosa* with aqueous ethanol. It guarantees minimum of 25.0 % echinacoside, 9.0 % acteoside and 50.0 % phenylethanoid glycosides.
This product is water-soluble.

<u>Appearance</u>	Brown to light brown powder with light unique smell.	
<u>Echinacoside</u>	Min. 25.0 %	(HPLC)
<u>Acteoside</u>	Min. 9.0 %	(HPLC)
<u>Phenylethanoid glycosides</u>	Min. 50.0 %	(UV)
<u>Loss on Drying</u>	Max. 10.0 %	(Analysis for HygienicChemists, 1g, 105°C, 2 hr)
<u>Purity Test</u>		
<u>(1)Heavy Metals (as Pb)</u>	Max. 10 ppm	(Sodium Sulfide Colorimetric Method)
<u>(2)Arsenic (as As₂O₃)</u>	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>
	Cistanche Tubulosa 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	March 9, 2007
Revised Date	July 27, 2018
Specification No.	N-827EN