



## ORYZA OIL & FAT CHEMICAL CO.,LTD.

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### PRODUCT STANDARD

PRODUCT NAME : **WATER SHIELD EXTRACT-P** (FOOD)

This product is extracted with aqueous ethanol from the leaves of water shield *Brasenia schreberi* J.F.Gmelin.

<b><u>Appearance</u></b>	Pale yellowish brown to gray-yellowish green powder with slightly unique scent.									
<b><u>Polyphenols</u></b>	Min. 5.0 %	(Folin-Denis method)								
<b><u>Junsainoside A</u></b>	Min. 0.01 %	(HPLC)								
<b><u>Polysaccharides</u></b> (Originated from water shield)	Min. 2.5 %	(Phenol-sulfuric acid method)								
<b><u>Loss on Drying</u></b>	Max. 10.0 %	(Analysis for HygienicChemists, 1 g, 105°C, 2 hr)								
<b><u>Purity Test</u></b>										
<b><u>(1) Heavy Metals (as Pb)</u></b>	Max. 20 ppm	(Sodium Sulfide Colorimetric Method)								
<b><u>(2) Arsenic (as As<sub>2</sub>O<sub>3</sub>)</u></b>	Max. 1 ppm	(Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)								
<b><u>Standard Plate Counts</u></b>	Max. 3×10 <sup>3</sup> cfu/g	(Analysis for Hygienic Chemists)								
<b><u>Moulds and Yeasts</u></b>	Max. 1×10 <sup>3</sup> cfu/g	(Analysis for Hygienic Chemists)								
<b><u>Coliforms</u></b>	Negative	(Analysis for Hygienic Chemists)								
<b><u>Composition</u></b>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Ingredient</th> <th style="text-align: right;">Content</th> </tr> </thead> <tbody> <tr> <td>Modified Starch</td> <td style="text-align: right;">83 %</td> </tr> <tr> <td>Water Shield Extract</td> <td style="text-align: right;">17 %</td> </tr> <tr> <td>Total</td> <td style="text-align: right;">100 %</td> </tr> </tbody> </table>		Ingredient	Content	Modified Starch	83 %	Water Shield Extract	17 %	Total	100 %
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Modified Starch	83 %									
Water Shield Extract	17 %									
Total	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	September 25, 2012
Revised Date	November 6, 2019
Specification No.	Y-906EN