



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME : **WALNUT POLYPHENOL-WSP10** (FOOD)

This water-soluble product is extracted with aqueous ethanol from seed coats of walnut (*Juglans regia* L.) or its congeners. It guarantees minimum 10.0 % polyphenols.

<u>Appearance</u>	Light brown to dark brown powder with slightly unique smell
<u>Polyphenols</u>	Min. 10.0 % (Folin-Denis method)
<u>Tellimagrandin I</u>	Identification of peak (HPLC)
<u>Loss on Drying</u>	Max. 10.0 % (Analysis for Hygienic Chemists, 1g, 105 °C、2 hr)
<u>Purity Test</u>	
(1)Heavy Metals (as Pb)	Max. 20 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. 3×10 ³ cfu/g (Analysis for Hygienic Chemists)
<u>Moulds and Yeasts</u>	Max. 1×10 ³ cfu/g (Analysis for Hygienic Chemists)
<u>Coliforms</u>	Negative (Analysis for Hygienic Chemists)

<u>Composition</u>	<u>Ingredient</u>	<u>Content</u>
	Maltodextrin	67 %
	Walnut Extract	33 %
	Total	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	September 19, 2006
Revised Date	June 26, 2019
Specification No.	G-926EN