

• PRODUCT SPECIFICATION •

花生四烯酸油脂粉(花生四烯酸油脂微囊粉) ARA oil powder

ARA 20% Powder S02

描述 Description

ARA 20% Powder S02 是以花生四烯酸油脂为主要原料，经过乳化、包埋和喷雾干燥制成的粉末状产品。产品中花生四烯酸（ARA）的含量不低于 10%。

ARA 20% Powder S02 is a powdered product made from arachidonic acid oil as the main raw material through emulsifying, embedding and spray drying. The content of arachidonic acid (ARA) in the product is not less than 20%.

特点 Advantage

亚微米级乳化包埋，附聚造粒；Sub-micron emulsion embedding, agglomeration granulation;
气味、滋味佳，稳定性好，分散性好；Good taste, good stability and good dispersion;
遵循严苛的危害物控制标准。Follow the most stringent hazard standards.

配料 Ingredients

花生四烯酸油脂、辛烯基琥珀酸淀粉钠、固体玉米糖浆、抗坏血酸钠、磷酸三钙、葵花籽油、维生素 E、抗坏血酸棕榈酸酯

Arachidonic acid oil, Starch sodium octenyl succinate, Corn syrup solids, Sodium ascorbate, Tricalcium phosphate, Sunflower seed oil, Vitamin E, Ascorbyl palmitate

* 客户可选择定制配方。* Customer can customize the formula.

标识 Identification

花生四烯酸 Arachidonic acid

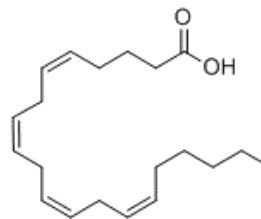
化学名称：顺式- 5, 8, 11, 14- 二十碳四烯酸

Chemical name: Icosa- 5, 8, 11, 14- tetraenoic acid

CAS 号 CAS No.: 506- 32-1

分子式 Chemical formula: $C_{20}H_{32}O_2$

分子量 Molecular mass: 304.5g/mol



规格及质量指标 Specifications and quality indicators

感官指标 Sensory indicators	技术要求 Technical requirements	备注 Remark
色泽 Colour	均匀一致白色或淡黄色 Homogeneously white or light yellow	批检 Batch inspection
滋气味 Odor and taste	具有淡 ARA 油脂气味，无特殊异味 It has the light ARA oil odor, no special odor	批检 Batch inspection
性状 Character	干燥粉末状，无粘连、结块、潮解现象，有较好的流动性 Free flowing dry powder, no caking or adhesion	批检 Batch inspection
杂质 Impurities	无肉眼可见外来杂质 No visible foreign matter	批检 Batch inspection

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理化指标 Physicochemical indexes	单位 Unit	技术要求 Technical requirements	检测方法 Method	备注 Remark
颗粒度 Granularity	%	100%过 12 目筛 100% through 12 mesh	筛分 Sieving	批检 Batch inspection
ARA 含量(以甘油三酯计) ARA content (as TG)	%	≥20	GB 5009.168 第二法 The second method	批检 Batch inspection
表面油 Surface oil	%	≤1.0	自定义方法 Custom method	批检 Batch inspection
水分 Moisture	%	≤5.0	GB 5009.3	批检 Batch inspection
灰分 Ash	%	≤5.0	GB 5009.4	批检 Batch inspection
过氧化值* Peroxide Value*	mmol/kg	≤2.5	GB 5009.227	批检 Batch inspection
反式脂肪酸 Trans-fatty acid	%	≤1.0	GB 5009.257	型检 Type inspection
污染物指标 Pollutant indexes	单位 Unit	技术要求 Technical requirements	检测方法 Method	备注 Remark
铅 (以 Pb 计) Lead (as Pb)	mg/kg	≤0.08	GB 5009.12	批检 Batch inspection
总砷 (以 As 计) Total arsenic (as As)	mg/kg	≤0.1	GB 5009.11	批检 Batch inspection
总汞 (以 Hg 计) Total mercury (as Hg)	mg/kg	≤0.02	GB 5009.17	型检 Type inspection
亚硝酸盐 (以 NaNO ₂ 计) Nitrite (as NaNO ₂)	mg/kg	≤1.5	GB 5009.33	型检 Type inspection
硝酸盐 (以 NaNO ₃ 计) Nitrate (as NaNO ₃)	mg/kg	≤50	GB 5009.33	型检 Type inspection
三聚氰胺 Melamine	mg/kg	不得检出 ND	GB/T 22388	型检 Type inspection
DEHP	mg/kg	≤1.5	GB 5009.271	型检 Type inspection
DBP	mg/kg	≤0.3	GB 5009.271	型检 Type inspection
DINP	mg/kg	≤9.0	GB 5009.271	型检 Type inspection
苯并(a)芘 Benzo(a)pyrene	μg/kg	≤10	GB 5009.27	型检 Type inspection
3-氯丙醇酯 3-chloropropanol ester	μg/kg	≤100	AOCS cd 29b-3	型检 Type inspection
缩水甘油酯 Glycidyl ester	μg/kg	≤50	AOCS cd 29b-3	型检 Type inspection

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真菌毒素 Mycotoxins	单位 Unit	技术要求 Technical requirements	检测方法 Method	备注 Remark
黄曲霉毒素 B ₁ AflatoxinsB ₁	ug/kg	≤0.5	GB 5009.22	型检 Type inspection
黄曲霉毒素 M ₁ AflatoxinsM ₁	ug/kg	≤0.5	GB 5009.24	型检 Type inspection
微生物 Microorganism	单位 Unit	技术要求 Technical requirements	检测方法 Method	备注 Remark
菌落总数 Aerobic plate count	CFU/g	n=5, c=0, m=1000, M=—	GB 4789.2	批检 Batch inspection
大肠菌群 Coliforms	CFU/g	n=5, c=0, m=10, M= —	GB 4789.3	批检 Batch inspection
霉菌 Mould	CFU/g	≤20	GB 4789.15	批检 Batch inspection
酵母菌 Yeast	CFU/g	≤20	GB 4789.15	批检 Batch inspection
沙门氏菌 Salmonella	/25g	n=5, c=0, m=0, M=—	GB 4789.4	批检 Batch inspection
金黄色葡萄球菌 Staphylococcus aureus	CFU/g	n=5, c=0, m<10, M=—	GB 4789.10	批检 Batch inspection
阪崎肠杆菌 Enterobacter sakazakii	/100g	n=3, c=0, m=0, M= —	GB 4789.40	批检 Batch inspection
(1) 批检，为出厂检测项目。Batch inspection is a factory inspection item.				
(2) 型检，每年最少 1 次。The type inspection is at least once a year.				
(3) *过氧化值：单位换算关系。Peroxide value unit conversion relationship. 1mmol/kg=2meq/kg≈0.025g/100g.				

包装 Packaging

包装规格：1/10kg/袋，10/20kg/箱。Package size: 1kg/10kg per bag, 10kg/20kg per carton.

包材：内包装为加强铝塑复合袋，外包装为硬纸板盒。

Package type: Inner package is aluminum foil bag, outer package is cardboard carton.

标签：符合国家标签管理法律法规。Label: Conform to national label management laws and regulations.

储存条件和搬运 Storage & Handling

避光、阴凉干燥处保存，开封即用。

Store in a cool, dry place away from light. It should be used immediately after opening.

本产品对空气、热、光照和湿度敏感，应远离光照，热源，浓烈气味和灰尘。

The product is sensitive to air, heat, light and humidity, should be kept away from light, heat, strong odors and dust.

搬运本产品时，请采取常规安全预防措施。

When transporting this product, take general safety precautions.

保质期 Shelf life

24 个月（未启封且符合贮存条件下）。

24 months (Unopened and in accordance with storage conditions).

执行标准及应用 *Execution standards and applications*

符合并执行以下标准：Comply with and implement the following standards:

《Q/SW 0001S 花生四烯酸油脂粉（花生四烯酸油脂微囊粉）》标准。

应用范围：应用于食品和饮料的营养补充等，并根据国家相关法律法规适量添加。

Scope of application: It is used in the nutritional supplement of food and beverages, etc., and is added in an appropriate amount according to relevant national laws and regulations.

BLOWNAY