

Physical and Chemical Indicators
理化指标

| Item 项目 | Red fishmeal 红鱼粉 | | | | White fishmeal 白鱼粉 | | By-product of fish processing 鱼排粉 | |
|--|---------------------|---------------|----------------|---|-----------------------|----------------|--|--|
| | Premium 特级 | Grade I 一级 | Grade II 二级 | Grade III (including fish and shrimp meal) 三级 (含鱼虾粉) | Grade I 一级 | Grade II 二级 | Seawater by-product of fish processing 海水 鱼排粉 | Freshwater by-product of fish processing 淡水 鱼排粉 |
| Crude protein /% ≥ 粗蛋白质/% ≥ | 66.0 | 62.0 | 58.0 | 50.0 | 64.0 | 58.0 | 50.0 | 45.0 |
| Lysine /% ≥ 赖氨酸/% ≥ | 5.0 | 4.5 | 4.0 | 3.0 | 5.0 | 4.2 | 3.2 | |
| Total amount of 17 kinds of amino acids ^a /crude protein /% ≥ 17 种氨基酸总量 ^a /粗蛋白质/% ≥ | 85.0 | | 83.0 | 80.0 | 90.0 | | 85.0 | |
| Glycine/total amount of 17 kinds of amino acids /% ≤ 甘氨酸/17 种氨基酸总量/% ≤ | 9.0 | | | -- | 9.0 | | -- | |
| Ratio of sum of DHA ^b and EPA ^c to the total fatty acid of fishmeal /% ≥ DHA ^b 与 EPA ^c 占鱼粉总脂肪酸 比例之和/% ≥ | 18.0 | | | | | | | -- |

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|--|------|------|------|------|------|------|------|------|
| Moisture /% ≤ 水分 / % | 10.0 | | | | | | | |
| Crude ash /% 粗灰分 / % | 18.0 | 20.0 | 24.0 | 30.0 | 28.0 | 34.0 | | |
| Sand (insoluble ash in hydrochloric acid) /% ≤ 砂分 (盐酸不溶性灰分) /% ≤ | 1.5 | | | -- | 0.4 | 1.5 | | |
| Salt (NaCl) /% ≤ 盐分 (以 NaCl 计) /% ≤ | 5.0 | | | -- | 2.5 | 3.0 | 2.0 | |
| Volatile base nitrogen (VBN)/ mg/100g ≤ 挥发性盐基氮 (VBN) / mg/100g ≤ | 100 | 130 | 160 | 200 | 70.0 | 150 | 80.0 | |
| Histamine/ mg/kg ≤ 组胺 / mg/kg ≤ | 300 | 500 | 1000 | 1500 | 25.0 | 300 | | |
| Malondialdehyde (oil base)/ mg/kg ≤ 丙二醛 (以油基计) / mg/kg ≤ | 20.0 | 30.0 | 40.0 | 50.0 | 20.0 | 30.0 | 30.0 | 20.0 |
| <p>a) Total amount of 17 kinds of amino acids: the sum of lysine, methionine, threonine, cystine, histidine, arginine, leucine, isoleucine, alanine, glycine, aspartic acid, serine, glutamate, valine, tyrosine, phenylalanine, and proline contained in the sample.</p> <p>a) 17 种氨基酸总量: 试样中所含赖氨酸、蛋氨酸、苏氨酸、胱氨酸、组氨酸、精氨酸、亮氨酸、异亮氨酸、丙氨酸、甘氨酸、天门冬氨酸、丝氨酸、谷氨酸、缬氨酸、酪氨酸、苯丙氨酸和脯氨酸之和。</p> <p>b) DHA: docosahexaenoic acid (C22: 6n-3). b) DHA: 二十二碳六烯酸 (C22: 6n-3)。</p> <p>c) EPA: eicosapentaenoic acid (C20: 5n-3). c) EPA: 二十碳五烯酸 (C20: 5n-3)。</p> | | | | | | | | |