



## ■ ACHIOTE — ANNATTO SEED / NATURAL COLOURANT · WHOLE SEED

# Achiote — Annatto Seed

## Natural Colourant · Whole Seed

Brick-red annatto seeds from native *Bixa orellana*. The traditional Latin American colourant for cheeses, butters and rice — earthy and mildly peppery.

### TECHNICAL SPECIFICATION

|                       |   |
|-----------------------|---|
| BOTANICAL NAME        | Bixa orellana L.  |
| ORIGIN                | Guatemala (Pacific & Caribbean lowlands)                  |
| CROP YEAR             | Latest harvest, lot-coded                                 |
| PROCESS               | Sun-dried whole seed · machine cleaned                    |
| COLOUR                | Brick-red to deep orange-red, uniform                     |
| SEED SIZE             | 3 – 5 mm  |
| MOISTURE CONTENT      | ≤ 12.0 %  |
| BIXIN CONTENT (HPLC)  | ≥ 2.5 % (typical 2.8 – 3.5 %)                             |
| TOTAL CAROTENOIDS     | ≥ 2.7 %   |
| TOTAL ASH             | ≤ 7.0 %   |
| ACID-INSOLUBLE ASH    | ≤ 1.0 %   |
| FOREIGN MATTER        | ≤ 1.0 %   |
| DAMAGED / DISCOLOURED | ≤ 2.0 %   |
| BULK DENSITY          | 600 – 680 g/L   |
| AROMA / FLAVOUR       | Earthy, slightly peppery, faintly sweet                   |
| MICROBIOLOGY          | Salmonella absent / 25 g · E. coli < 10 cfu/g             |
| AFLATOXINS            | Total ≤ 10 µg/kg · B1 ≤ 5 µg/kg (EU 1881/2006)            |
| PESTICIDE RESIDUES    | Compliant with EU Reg. 396/2005 MRLs                      |
| TREATMENT             | Sun-dried · No fumigation · Non-irradiated                |
| ALLERGENS             | None of the 14 EU declared allergens present              |
| GMO STATUS            | Non-GMO   |
| PACKING               | 25 kg multi-layer foil-lined bag · Vacuum / N2 on request |
| CONTAINER LOADABILITY | 20'GP ≈ 18 MT   |
| SHELF LIFE            | 18 months — store < 20 °C, RH < 60 %, away from light     |
| HS CODE               | 0910.99   |

### SENSORY PROFILE

Earthy

Mildly peppery

Faintly sweet

Vivid colour

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