



Product Specifications

BilCraft® 10%

(*Vaccinium myrtillus*)



Product Code: B0100117

Product Description: Pure bilberry (*Vaccinium myrtillus*) extract; processed without organic solvent via physical membrane separation and spray-dried with maltodextrin as an excipient; standardized to a minimum anthocyanin content of 10%.

Product Properties

| | |
|-----------------|---|
| Color | Dark red/purple |
| Appearance | Powder; uniform particles, hygroscopic |
| Taste | Characteristic of bilberry; astringent |
| Odor | Characteristic of bilberry |
| Mesh size | > 98% through 60 mesh (< 250 µm) |
| Excipient | Maltodextrin (not genetically engineered, corn-based) |
| Solubility | Soluble in water and water/alcohol mixtures |
| Extract ratio | 48:1 |
| Identity | HPLC profile unique to bilberry |
| Plant part used | Berries (fruit) |

Analytical Values

Spec.

| | | |
|---|---------------|--------|
| Anthocyanins (<i>Expr. as cyanidin-3-glucoside; pH-Diff.</i>) | 10.00 – 12.00 | g/100g |
| Polyphenols (<i>Expr. as catechin; Folin-Ciocalteu</i>) | 14.00 – 22.00 | g/100g |
| Moisture (<i>Loss on drying; 105°C; 30 sec.</i>) | 0.00 – 8.00 | % |
| Total acidity (<i>Expr. as citric acid, anhydr.; pH 8.1</i>) | 2.50 – 12.50 | g/100g |

Heavy Metals and Pesticides

Spec.

| | | |
|---------------------------|--|-----|
| Lead (<i>ICP-MS</i>) | 0.00 – 1.00 | ppm |
| Arsenic (<i>ICP-MS</i>) | 0.00 – 0.50 | ppm |
| Cadmium (<i>ICP-MS</i>) | 0.00 – 0.50 | ppm |
| Mercury (<i>ICP-MS</i>) | 0.00 – 0.10 | ppm |
| Pesticides | The processed fruit conforms to the pesticide standards defined in regulation (EC) No 396/2005 and the following amendments. | |

Microbiological Values

Spec.

| | | |
|---|---------|-------|
| Total Plate Count (<i>ISO 4833</i>) | < 3,000 | CFU/g |
| Yeast (<i>Sabouraud Agar, 28°C, 5 d</i>) | < 20 | CFU/g |
| Mold (<i>Sabouraud Agar, 28°C, 5 d</i>) | < 20 | CFU/g |
| <i>E.coli</i> (<i>COLI ID Agar, 37°C, 24 h</i>) | 0 | CFU/g |
| <i>Salmonella</i> (<i>ISO 6579</i>) | Absent | /25g |

Country of Origin: Italy (manufacturing), Europe (raw material)

Packaging: Packed in an aluminum bag in a corrugated box or plastic pail, 5 kg net weight.

Storage: The product must be stored in a dark, cool, and dry area. Keep the package well-sealed since the product is hygroscopic. Color may change at the end of shelf life.

Best Used By: 36 months after production date under proper storage conditions.

Quality Assurance

The information contained herein is, to the best of our knowledge, correct. The data outlined and the statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information, it is suggested that you evaluate the product on a laboratory scale prior to use in a finished product.

Customer Approval

I acknowledge and agree to the above specifications. Any parameters outside of these would not fall within the scope of the product specifications. Please return this specification sheet signed for approval otherwise we consider it accepted.

Name (print):

Signature:

Title:

Date:
