



 **NATUREZA**  
Colours derived from nature



# Natureza Curcumin



## DESCRIPTION :

Natureza Curcumin colour extracted from turmeric (*Curcuma longa*) via solvent extraction method

**INCI NAME :** Curcumin

**CAS NO :** 458-37-7

**EC NO :** 207-280-5

**E NUMBER :** E 100

**CI. NO :** 75300

## SPECIFICATION :

Solubility : Soluble in water  
pH : Between 4.0 – 7.0

## RECOMMENDED DOSAGE:

0.1 % to 0.5% depending on the application.

## APPLICATIONS :



Beverage



Bakery



Confectionery



Dairy



Culinary foods



Cosmetics



Pharma

## PRODUCT, PHYSICAL FORM & CODE :

- Natureza Curcumin Powder 95% AP:  
Yellow to orange colour powder (5003AP)
- Natureza Curcumin WP:  
Yellow coloured powder (5006WP)
- Natureza Curcumin WL:  
Yellow coloured liquid (5007WL)
- Natureza Curcumin OL:  
Bright yellow coloured liquid (5008OL)

## REGULATORY COMPLIANCE :

- E 100, COMMISSION REGULATION (EU) No 231/2012 of 9 March 2012 laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council.  
EU Cosmetics Regulation (EC) No 1223/2009 Annex IV and its amendments and EU Directive 231/2012, Purity criteria as set out in Commission Directive 95/45/EC (E 100)
- US Code of Federal Regulations Title 21 (21CFR) : 21 CFR 73.600 (Colour additive exempted from Certification)



# Natureza Annatto



## DESCRIPTION :

Natureza bixin orange colour,  
Natureza nor-bixin orange yellowish  
colour extracted from annatto seeds  
via solvent extraction method.

**INCI NAME :** Bixin & Norbixin (Annatto)

**CAS NO :** 1393-63-1

**EC NO :** 215-735-4

**E NUMBER :** E 160b

**CI. NO :** 75120

## SPECIFICATION :

Solubility : Bixin : Soluble in Oil  
Nor-bixin : Soluble in water  
pH : Between 4.0 – 7.0

## RECOMMENDED DOSAGE:

0.1 % to 1.0% depending on the application.

## APPLICATIONS :



Beverage



Bakery



Confectionery



Dairy



Culinary foods



Cosmetics



Pharma

## PRODUCT, PHYSICAL FORM & CODE :

- Natureza Annatto powder WP:  
Orange coloured powder (5002WP)
- Natureza Annatto liquid OL:  
Reddish orange coloured liquid (5001OL)

## REGULATORY COMPLIANCE :

- 160b, COMMISSION REGULATION (EU) No 231/2012 of 9 March 2012 laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council  
EU Cosmetics Regulation (EC) No 1223/2009 Annex IV and its amendments and EU Directive 231/2012, Purity criteria as set out in Commission Directive 95/45/EC (E 100)
- US Code of Federal Regulations Title 21 (21CFR) : 21 CFR 73.30 (Colour additive exempted from Certification)



# Natureza Beta Carotene



## DESCRIPTION :

Natureza Beta Carotene colour extracted from *Capsicum annuum* via solvent extraction method.

**INCI NAME :** Carotenoids

**CAS NO :** 127-40-2

**EC NO :** 204-840-0

**E NUMBER :** E 160a

**CI. NO :** 75120

## SPECIFICATION :

Solubility : Soluble in vegetable oil  
pH : Between 4.0 – 7.0

## RECOMMENDED DOSAGE:

0.1 % to 1.0% depending on the application.

## APPLICATIONS :



Beverage



Bakery



Confectionery



Dairy



Culinary foods



Cosmetics



Pharma

## PRODUCT, PHYSICAL FORM & CODE :

- Natureza Beta Carotene powder WP:  
Orange red crystallin granular (5009WP)
- Natureza Beta Carotene liquid WL:  
Orange red liquid (5010WL)

## REGULATORY COMPLIANCE :

- E 160a, COMMISSION REGULATION (EU) No 231/2012 of 9 March 2012 laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council.  
EU Cosmetics Regulation (EC) No 1223/2009 Annex IV and its amendments and EU Directive 231/2012, Purity criteria as set out in Commission Directive 95/45/EC (E 100)
- US Code of Federal Regulations Title 21 (21CFR) : (Colour additive exempted from Certification)



# Natureza Beetroot



## DESCRIPTION :

Natureza Beetroot pink colour extracted from beetroot (*Beta vulgaris*) via solvent extraction method.

**INCI NAME :** Betanin

**CAS NO :** 7659-95-2

**EC NO :** 231-628-5

**E NUMBER :** E 162

**CI. NO :** 75120

## SPECIFICATION :

Solubility : Soluble in water  
pH : Between 4.0 – 7.0

## RECOMMENDED DOSAGE:

0.1 % to 1.0% depending on the application.

## APPLICATIONS :



Beverage



Bakery



Confectionery



Dairy



Culinary foods



Cosmetics



Pharma

## PRODUCT, PHYSICAL FORM & CODE :

- Natureza Beetroot powder WP:  
Pink coloured powder (5011WP)

## REGULATORY COMPLIANCE :

- E 162, COMMISSION REGULATION (EU) No 231/2012 of 9 March 2012 laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council.  
EU Cosmetics Regulation (EC) No 1223/2009 Annex IV and its amendments and EU Directive 231/2012, Purity criteria as set out in Commission Directive 95/45/EC (E 100)
- US Code of Federal Regulations Title 21 (21CFR) : 21 CFR 73.600 (Colour additive exempted from Certification)



# Natureza Anthocyanins



## DESCRIPTION :

Natureza Anthocyanins red colour extracted from berry and vegetable source via solvent extraction method

**INCI NAME :** Anthocyanins

**CAS NO :** 11029-12-2

**EC NO :** 208-438-6

**E NUMBER :** E 163

## SPECIFICATION :

Solubility : Soluble in water

pH : Between 4.0 – 7.0

## RECOMMENDED DOSAGE:

0.1 % to 0.5% depending on the application.

## APPLICATIONS :



Beverage



Bakery



Confectionery



Dairy



Culinary foods



Cosmetics



Pharma

## PRODUCT, PHYSICAL FORM & CODE :

- Natureza Anthrocyanine Red WP :  
Magenta Red colour powder (5004WP)
- Natureza Anthrocyanine Red WL:  
Magenta Red colour liquid (5005WL)

## REGULATORY COMPLIANCE :

- E 163, COMMISSION REGULATION (EU) No 231/2012 of 9 March 2012 laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council.  
EU Cosmetics Regulation (EC) No 1223/2009 Annex IV and its amendments and EU Directive 231/2012, Purity criteria as set out in Commission Directive 95/45/EC (E 100)
- US Code of Federal Regulations Title 21 (21CFR) : 21 CFR 73.169 (Colour additive exempted from Certification)

# Natureza Black Carrot



## DESCRIPTION :

Natureza Black Carrot, Deep red colour extracted from carrot root via extraction method.

**INCI NAME :** Daucus Carota Sativa Extract

**CAS NO :** 142506-21-6

**EC NO :** 284-545-1

**E NUMBER :** E 163 (VI)

## SPECIFICATION :

Solubility : Soluble in water

pH : Between 3.0 – 6.0

## RECOMMENDED DOSAGE:

0.1 % to 1.0% depending on the application.

## APPLICATIONS :



Beverage



Bakery



Confectionery



Dairy



Culinary foods



Cosmetics



Pharma

## PRODUCT, PHYSICAL FORM & CODE :

- Natureza Black Carrot WL :  
Deep Red colour Liquid (5012WL)
- Natureza Red LC :  
Reddish Purple Powder (5012LC)

## REGULATORY COMPLIANCE :

- E 163, COMMISSION REGULATION (EU) No 231/2012 of 9 March 2012 laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council.  
EU Cosmetics Regulation (EC) No 1223/2009 Annex IV and its amendments and EU Directive 231/2012, Purity criteria as set out in Commission Directive 95/45/EC (E 160b)
- US Code of Federal Regulations Title 21 (21CFR) : 21 CFR 73 (Colour additive exempted from Certification)