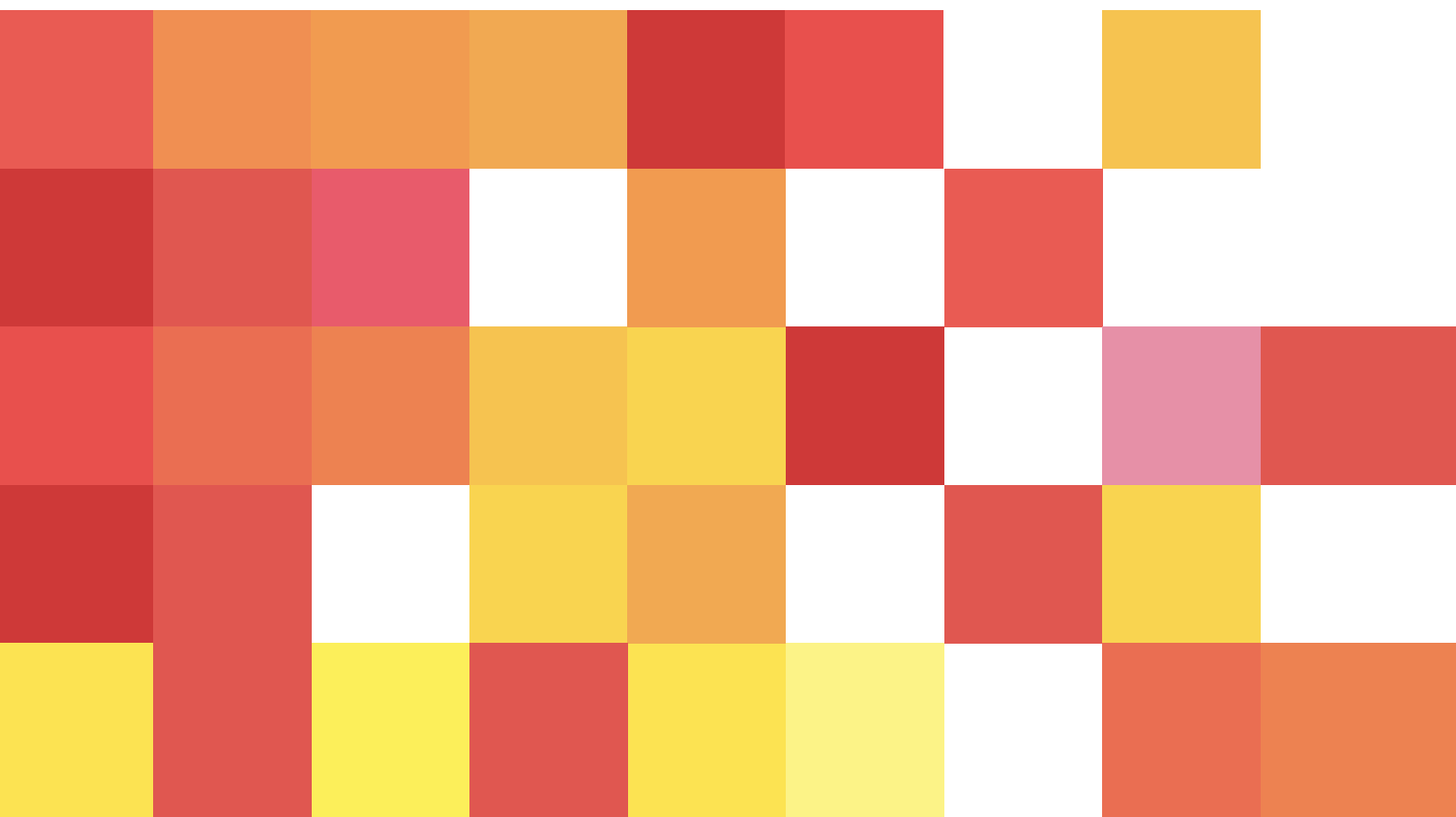


# BIOCONCOLORS



Natural Colors that  
Stimulate the Senses  
and Drive Sales

Annatto, Carmine, Paprika  
and Curcumin derivatives





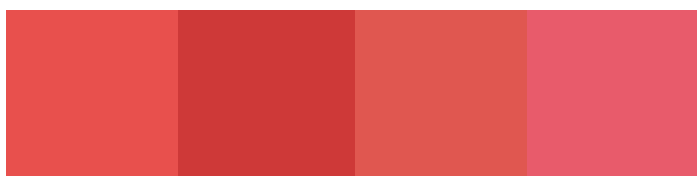
# Company Introduction

BioconColors is a leading producer of natural colors. For over 30 years we have been supplying natural color solutions to the food, beverage, cosmetic and pharmaceutical industry.

Our core expertise is based on our ability to control the technologies used for the extraction, purification and production of liquid & powder formulations of Annatto, Carmine, Paprika and Turmeric derivatives.

Our natural color specialists are able to create color formulations for a wide range of applications. Besides translating ideas into prototypes, we can assist in answering the technical challenges that can occur when switching from synthetic to natural color solutions.

Whether it comes to emulsions or suspensions, water-soluble or oil-soluble colorings, powder or spray-dried compositions or special mixtures, we develop natural color solutions for your application to perform in the best possible multi-sensory way.



## MEAT & FISH

Product Type	Product Description	Concentration %	Color Shade	Stability		Solubility	
				pH	Heat	Dispersible	Soluble in:
Carmine HSC-Y, HSC, HSC-B	Carmine WS powder	20 - 60	Red bluish to pink to strawberry red	3.5 - 8.0	Excellent	----	Water
Carmine NF range	Carmine lake powder	50 - 60	Red bluish to pink to strawberry red	3.5 - 8.0	Excellent	Oil / Fat	Alkali
Carmine RY, RB	Carmine high tinctorial powder	27 - 60	Bright red bluish to strawberry red	3.5 - 8.0	Excellent	Oil / Fat	Alkali
Biocolor range	Carmine liquid	1 - 20	Bright red bluish to strawberry red	3.5 - 8.0	Excellent	----	Water
Paprika Oleoresin	Paprika oleoresin	40,000 - 120,000 C.U.	Orange to dark red	3.0 - 8.0	Good	----	Oil
Biocon ANCA range	Carmine & annatto liquid blend	Formulations	Orange - Bright strawberry red	4.0 - 13.0	Good	----	Water

### CASING

Carmine HSC-Y, HSC, HSC-B	Carmine WS powder	20 - 60	Red bluish to pink to strawberry red	3.5 - 8.0	Excellent	----	Water
Carmine OS	Carmine oil suspension	5 - 10	Reddish	3.5 - 8.0	Excellent	Oil / Fat	----
Biobixin	Annatto - Norbixin liquid	1 - 5	Yellow to orange to brownish	5.0 - 12.0	Good	----	Water
Bixin - Biobixin emulsion range	Annatto - Bixin - Norbixin emulsion	1 - 3.5	Yellow to orange brownish	3.0 - 8.0	Good	Oil / Fat	Water
ANCA range	Carmine & annatto emulsion	Formulations	Red brownish	5.0 - 12.0	Good	Oil / Fat	----

### BREADCRUMB

Biobixin	Annatto - Norbixin liquid	1 - 5	Yellow to brownish orange	5.0 - 12.0	Good	----	Water
Bixin emulsion range	Annatto - Bixin emulsion	4 - 8	Orange reddish	3.0 - 8.0	Good	Water	----
Paprika oleoresin	Paprika oleoresin	40,000 - 120,000 C.U.	Orange	3.0 - 8.0	Good	----	Oil
Turmeric TWM	Turmeric emulsion	5 - 10	Bright yellow	3.0 - 8.0	Excellent	Oil / Fat	Water

### SHRIMP / SALMON

Biobixin	Annatto - Norbixin liquid	1 - 5	Yellow to orange to brownish	5.0 - 12.0	Good	----	Water
ANCA range	Carmine & annatto liquid blend	Formulations	Orange - Red	5.0 - 12.0	Good	---	Water

## DAIRY

### YOGHURT / MILK DRINK / CUSTARD / ICE CREAM

Biocolor range	Carmine WS liquid	1 - 20	Red bluish to pink to strawberry red	3.5 - 8.0	Excellent	---	Water
Carmine acid stable - APC-RAZ, RAM, PCN	Carmine acid stable liquid	1 - 7	Orange - Red yellowish - Red bluish	3.0 - 8.0	Excellent	----	Water
Norbixin - ENC	Annatto WS powder	5 - 1	Yellow - Orange	4.0 - 13.0	Good	----	Water
Biobixin	Annatto WS liquid	1 - 5	Yellow	4.0 - 13.0	Good	----	Water
ANCA range	Carmine & annatto liquid blend	Formulations	Peach - Yellow/orange	4.0 - 13.0	Good	----	Water
Turmeric TWM	Turmeric emulsion	5 - 10	Bright yellow	3.0 - 8.0	Excellent	Oil / Fat	Water

### CHEESE / PROCESSED CHEESE / COATING

Biobixin	Annatto WS liquid	1 - 5	Yellow	4.0 - 13.0	Good	----	Water
AOS range	Annatto oil suspension	2 - 10	Yellow - Orange	3.0 - 8.0	Good	Oil / Fat	----



## OIL & FAT

Product Type	Product Description	Concentration %	Color Shade	Stability		Solubility	
				pH	Heat	Dispersible	Soluble in:
<b>OIL / SALAD DRESSING / MAYONNAISE</b>							
Bixin emulsion range	Annatto - Bixin emulsion	1 - 20	Yellow - Orange opaque	3.0 - 8.0	Good	Oil / Fat	Oil / Water
BOS range	Annatto oil soluble	0.2 - 0.45	Yellow	3.0 - 8.0	Good	Fat	Oil
ATOS range	Annatto & turmeric oil suspension	Formulations	Yellow	3.0 - 8.0	Good	Oil / Fat	----
<b>MARGARINE / SPREAD / SHORTENING</b>							
ATOS range	Annatto oil suspension	2 - 10	Yellow - Orange	3.0 - 8.0	Good	Oil / Fat	----
Turmeric TWM	Turmeric emulsion	5 - 10	Bright yellow	3.0 - 8.0	Excellent	Oil / Fat	Water
ATOS range	Annatto & turmeric oil suspension	Formulations	Light yellow	3.0 - 8.0	Good	Oil / Fat	----

## SNACK & SAVORY

<b>EXTRUDED &amp; PELLET SNACK / CHEESE SNACK</b>							
Carmine NF range	Carmine lake powder	50 - 60	Red bluish to pink to strawberry red	3.5 - 8.0	Excellent	----	Water
Biobixin	Annatto WS liquid	1 - 5	Yellow - Orange	3.5 - 8.0	Excellent	Oil / Fat	Alkali
AOS range	Annatto oil suspension	2 - 10	Yellow - Orange	3.5 - 8.0	Excellent	Oil / Fat	Alkali
<b>SEASONING</b>							
Carmine HSC-Y, HSC, HSC-B	Carmine WS powder	20 - 60	Red bluish to pink to strawberry red	3.5 - 13.0	Excellent	----	Water
Carmine NF range	Carmine lake powder	50 - 60	Red bluish to pink to strawberry red	3.5 - 8.0	Excellent	----	Alkali
AOS range	Annatto oil suspension	2 - 10	Yellow - Orange	3.0 - 8.0	Good	Oil / Fat	----
Paprika oleoresin	Paprika oleoresin	40,000 - 120,000 C.U.	Orange	3.0 - 8.0	Good	----	Oil

## CONFECTIONERY

<b>HARD &amp; SOFT CANDY / COATING</b>							
Carmine HSC-Y, HSC, HSC-B	Carmine WS powder	20 - 60	Pink - Strawberry red	3.5 - 13.0	Excellent	----	Water
Carmine acid stable - APC-RAZ, RAM, PCN	Carmine acid stable liquid	1 - 7	Orange - Red yellowish - Red bluish	3.0 - 8.0	Excellent	----	Water
Biocolor range	Carmine WS liquid	1 - 20	red bluish to pink to strawberry red	3.0 - 8.0	Excellent	----	Water
Biobixin	Annatto WS liquid	1 - 5	Yellow - Orange	4.0 - 13.0	Good	----	Water
ANCA range	ACarmine & annatto liquid blend	Formulations	Peach - Orange	4.0 - 13.0	Good	----	Water
Turmeric TWM	Turmeric emulsion	5 - 10	Bright yellow	3.0 - 8.0	Good	Fat	Water
<b>CHOCOLATE</b>							
Carmine OS	Carmine oil suspension	5 - 10	Pink - Strawberry red	3.0 - 8.0	Good	Fat	----
Carmine - NF 400 range	Carmine lake fine powder	50 - 52	Purple	3.5 - 8.0	Good	Fat	----
Turmeric TWM	Turmeric emulsion	5 - 10	Bright yellow	3.0 - 8.0	Good	Fat	Water

## COSMETICS

<b>BLUSH / LIPSTICK / EYE LINER / NAIL POLISH / TABLET COATING</b>							
Carmine - NF 400 range	Carmine lake fine powder	50 - 52	Purple	3.5 - 9.0	Excellent	Fat	Alkali
Carmine RYX, RBX	Carmine high tinctorial fine powder	50 - 54	Bright red bluish to strawberry red	3.5 - 9.0	Excellent	Oil / Fat	Alkali



## BAKERY & PASTRY

Product Type	Product Description	Concentration %	Color Shade	Stability		Solubility	
				pH	Heat	Dispersible	Soluble in:
<b>CREAM / FRUIT FILLING / PUDDING / CAKE POWDER</b>							
Carmine HSC-Y, HSC, HSC-B	Carmine WS powder	20 - 60	Pink - Strawberry red	3.5 - 13.0	Excellent	----	Water
Carmine acid stable - APC-RAZ, RAM, PCN	Carmine acid stable liquid	1 - 7	Orange - Red yellowish - Red bluish	3.0 - 8.0	Excellent	----	Water
Biocolor range	Carmine WS liquid	1 - 20	Red bluish to pink to strawberry red	3.5 - 9.0	Excellent	----	Water
Biobixin	Annatto WS liquid	1 - 5	Yellow - Orange	4.0 - 13.0	Good	----	Water
ANCA range	Carmine & annatto liquid blend	Formulations	Peach - Orange	4.0 - 13.0	Good	----	Water
Norbixin - ENC	Annatto WS powder	5 - 15	Yellow - Orange	4.0 - 13.0	Good	----	Water

## BEVERAGES

<b>ALCOHOLIC BEVERAGE / SOFT DRINK / ENERGY DRINK / FRUIT DRINK / SYRUP / FRUIT PREPARATION</b>							
Carminic acid	Crystallized and spray dried powder	90 - 95	Orange	3.0 - 8.0	Excellent	----	Water
Carmine acid stable - APC-RAZ, RAM	Carmine acid stable powder	50 - 9	Red yellowish - Red bluish	3.0 - 8.0	Excellent	----	Water
Carmine acid stable - APC-RAZ, RAM, PCN	Carmine acid stable liquid	1 - 7	Orange - Red yellowish - Red bluish	3.0 - 8.0	Excellent	----	Water
Biocolor range	Carmine WS liquid	1 - 20	Red bluish to pink to strawberry red	3.5 - 8.0	Excellent	----	Water
Bixin - Biobixin emulsion range	Annatto - Bixin - Norbixin emulsion	1 - 3.5	Yellow to orange brownish	3.0 - 8.0	Good	Water	Water

## CONCENTRATES FOR FORMULATIONS

<b>CARMINE CONCENTRATES FOR COLOR AND FLAVOR FORMULATIONS</b>							
Carminic acid	Crystallized and spray dried powder	90 - 95	Orange	3.0 - 8.0	Excellent	----	Water
Carmine acid stable - APC-RAZ, RAM	Carmine acid stable powder	50 - 90	Red yellowish - Red bluish	3.0 - 8.0	Excellent	----	Water
Carmine acid stable - APC-RAZ, RAM, PCN	Carmine acid stable liquid	1 - 7	Orange - Red yellowish - Red bluish	3.0 - 8.0	Excellent	----	Water
Carmine HSC-Y, HSC, HSC-B	Carmine WS powder	20 - 60	Pink - Strawberry red	3.5 - 8.0	Excellent	----	Water
Carmine NF range	Carmine lake powder	50 - 60	Red bluish to pink to strawberry red	3.5 - 8.0	Excellent	Oil / Fat	Alkali
Carmine NF 400 range	Carmine lake powder	50 - 52	Purple	3.5 - 8.0	Excellent	----	Alkali
Carmine RY, RB	Carmine high tinctorial powder	27 - 60	Bright red bluish to strawberry red	3.5 - 8.0	Excellent	Oil / Fat	Alkali
Carmine STV Pink - Bright red	Carmine low bleeding formulation	3 - 10	Pink - Bright red	3.5 - 8.0	Excellent	Water	----

<b>ANNATTO CONCENTRATES FOR COLOR AND FLAVOR FORMULATIONS</b>							
Norbixin powder	Norbixin powder	35 - 45	Yellow - Orange	3.0 - 13.0	Good	----	Alkali
Bixin powder	Bixin powder	27 - 32	Yellow - Orange	3.0 - 13.0	Good	----	Alkali
AOS range	Annatto oil suspension	2 - 10	Yellow - Orange	3.0 - 8.0	Good	Fat	Oil
BOS range	Annatto oil soluble	0.2 - 0.45	Yellow - Orange	3.0 - 8.0	Good	----	Oil / Fat
Bixin - Biobixin emulsion range	Annatto - Bixin - Norbixin emulsion	3 - 8	Reddish orange	3.0 - 8.0	Good	Oil	Water



# BIOCONCOLORS

Amsterdam, The Netherlands  
Sales office: Global

Herengracht 450  
1017 CA, Amsterdam  
The Netherlands

Tel: (+31) 20 261-6986  
sales@bioconcolors.com  
www.bioconcolors.com

Lima, Peru  
Production & Sales  
Sales office: Latin American Region

Calle Omicron 512  
Parque Internacional de la Industria y Comercio  
Callao 3, Lima  
Peru

Tel: (+511) 464-4112  
sales@bioconcolors.com  
www.bioconcolors.pe

Qingdao, China  
Sales office: Eastern China

No.427 Changjiang East Road,  
Huangdao District, Qingdao, Shandong,  
P. R. of China

Tel: (+86) 532 677-94061  
sales@bioconchina.cn  
www.bioconcolors.cn

