



SANTA  
HERB  
SOUL IN NATURE



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# PHYCOCYANIN

SPIRULINA EXTRACT E16 E18 E25

## CHARACTERS

PHYCOCYANIN	SPIRULINA COLOR	INS NO. 134
CAS NO. 20298-86-6	BLUE POWDER	FISH-TANK FLAVOR AND ODOR
WATER SOLUBLE		





# GARDENIA BLUE

## CHARACTERS

GARDENIA BLUE COLOR	CNS 08.123	KFDA NO.57
JAPAN NO.134	BLUE POWDER	IT IS ALMOST ODORLESS AND TASTELESS
WATER SOLUBLE		





# VEGETABLE CARBON

E153



## CHARACTERS

INS NO. 153	E 153	EINECS NO. 231-153-3
CAS 7440-44-0	VEGETABLE BLACK	ACTIVATED VEGETABLE CARBON
CARBON BLACK (VEGETABLE SOURCES)		







# BAMBO CHARCOAL POWDER

COSMETIC & COATING GRADE

## CHARACTERS

COSMETICS, COATING,  
TEXTILE, MEDICAL GRADE

LARGE  
SURFACE AREA

NO RADIATION  
HAZARD

HIGHLY SOLUBLE  
IN WATER

HIGHLY  
ABSORPTION





# MONOSCUS RED COLOR



## CHARACTERS

RED  
KOJIC

RED RICE  
STARTER

CNS  
08.120

KFDA  
NO.94

WATER SOLUBLE





# BET RED COLOR

E162

## CHARACTERS

BEET POWDER	BEETROOT RED	BETANIN
INS NO. 162	E162	KFDA NO.30
EINECS NO.231-628-5	CAS NO.7659-95-2	SOLUBLE IN WATER, ETHANOL, GLYCOL, PROPYLENE



# SODIUM COPPER CHLOROPHYLL

E141(i)

## CHARACTERS

SODIUM COPPER CHLOROPHYLLIN	EI%1CM405NM≥97%	CHLOROPHYLLS, COPPER COMPLEXE
COPPER CHLOROPHYLL	COPPER PHAEOPHYTIN	INS NO. 141(I)
E 141(I)	CI NATURAL GREEN 3	CI NO 75810





# GARDENIA GREEN

## CHARACTERS

GARDENIA  
GREEN

E12-E14

GREEN TO DARK  
GREEN POWDER

ODORLESS

WATER SOLUBLE



# LUTEIN

E161B

## CHARACTERS

INS NO. 161B (I-III)

LUTEIN FROM  
TAGETES ERECTA

TAGETES  
EXTRACT

LUTEIN ESTERS  
FROM TAGETES  
ERECTA

E 161B

EINECS NO.  
204-840-0

CAS NO. 127-40-2





# GARDENIA YELLOW

## CHARACTERS

GARDENIA  
YELLOW

COLOR VALUE  
60-500

CNS  
08.112

CAS  
42553-65-1

KDFANO.88





# CARAMEL

E150a/b/c

## CHARACTERS

INS No. 150a/b/c

CAS  
No. 8028-89-5

Water Soluble  
Oil Soluble

Specifications:  
US FDA  
JECFA

EU Commission Regulation  
(EU) No 231/2012





# BETA-CAROTENE

E160a(i-iv)

## CHARACTERS

INS No. 160a (i-iv)

Water Soluble  
Oil Soluble

CI Food Orange 5  
EINECS 230-636-6

Specifications:  
US FDA  
JECFA

EU defined in Commission Regulation  
(EU) No 23/2012





# SAFFLOWER/CARTHAMUS YELLOW

## CHARACTERS

CNS 08.103

KFDA No.97

Specifications:  
US FDA  
JECFA

CAS 1401-20-3



# SAFFLOWER/CARTHAMUS RED



## CHARACTERS

CI Natural Red 26

KFDA No.96

Specifications:  
US FDA  
JECFA







# RED/PURPLE CABBAGE

E163

## CHARACTERS

INS NO.163(v)

KFDA No.50

Water Soluble  
E(1%,1cm)=10~60

Specifications:  
US FDA  
JECFA

EU defined in Commission Regulation  
(EU) No 23/2012







# BLACK/PURPLE CARROT COLOR

E163

## CHARACTERS

INS NO.163(vi)

Water Soluble

Specifications:  
US FDA  
JECFA

EU defined in Commission Regulation  
(EU) No 23/2012





# PURPLE SWEET POTATO COLOR

E163

## CHARACTERS

INS NO.163(vii)

Water Soluble  
E(1%,1cm)=15~70

Specifications:  
US FDA  
JECFA

EU defined in Commission Regulation  
(EU) No 23/2012







# RED RADISH COLOR

E163

## CHARACTERS

INS NO.163(viii)

CNS 08.117  
KFDA NO.173

Water Soluble  
E(1%,1cm)=10~60

Specifications:  
US FDA  
JECFA

EU defined in Commission Regulation  
(EU) No 23/2012





# PURPLE CORN COLOR

E163



## CHARACTERS

INS NO.163(iv)

Water Soluble

Specifications:  
US FDA  
JECFA

EU defined in Commission Regulation  
(EU) No 23/2012





# SORGHUM RED COLOR

## CHARACTERS

CNS 08.115

KFDA No.4

Specifications  
KFDA  
JAPAN

Japan Natural  
No.191





# ANNATTO COLOR

E160b(i-ii)

## CHARACTERS

INS No. 160b(i-ii)

CAS No. 1393-63-1

CI Natural Orange 4  
CI No. 75120

Specifications:  
US FDA  
JECFA

EU defined in Commission Regulation  
(EU) No 23/2012





# GRAPE SKIN/ENOCIANIA/ENO COLOR

E163



## CHARACTERS

INS NO.163(ii)	CNS 08.135 CAS 11029-12-2	Water Soluble
Specifications: US FDA JECFA	EU defined in Commission Regulation (EU) No 23/2012	

