

# Multipower Natural Antioxidants For cosmetics use

Conventional  
Natural  
**Organic**  
Blends



# Applications

These are used to dramatically enhance the life cycle of oils, butters and powders, in order to sustain high temperatures that occur during transportation and logistics.

This means that processed oils remain highly stable for a longer period of time. Our antioxidants and processing aids also improve yield in all products by 2-6%, thus providing better economics of the process.



# Application Suggestion Areas

Use in cosmetic products containing lipids (oils and fats) where taste and smell are undesirable:

- Sun Protection creams
- Anti-aging creams
- Facial creams
- Massage creams
- Body scrubs and gels
- Makeup
- Shampoo and conditioners



Use in cosmetic products for dry applications:

- Makeup
- Dry shampoo
- Talcum powder



# Internal Stabilization

We are also able to Internally Stabilize oils and butters this is a technology that extends the lifecycle of the products 20-30 times, thus enhancing the Shelf Life of Cosmetics

## CORE BENEFITS

- No degradation products in the formulations
- Clean lipids avoiding flocculation problems
- Providing antimicrobial properties and other benefits
- Cost benefits avoiding external addition of antioxidants and antimicrobial agents.



# Antioxidants

## Natural Antioxidants

- Danox 3204
- Danox 3204 **Organic**
- Danox R-3204
- Danox R-3204 **Organic**
- Danox 3200
- Danox 3200 **Organic**
- Danox WS-3200
- Danox WS-3200 **Organic**
- Danox R-3404

## Synergistic Antioxidants

- Danox R-3205

## Antioxidant Blends

- Danox 220



# Natural Antioxidants

Rosemary extract for general use in natural and organic cosmetic products containing lipids, with smell and taste of rosemary.

- ✓ Danox 3204
- ✓ Danox 3204 **Organic**

Rosemary extract for general use in natural and organic cosmetic products containing lipids **where taste and smell is undesirable.**

At recommended level of dosage, the final product has no characteristic taste, smell, colour or odour, generally associated with Rosemary.

- ✓ Danox R-3204
- ✓ Danox R-3204 **Organic**



# DANOX 3204

## Product Description

**Danox 3204** is an oil solution of natural antioxidants extracted from best quality dry leaves of Rosemary (*Rosmarinus officinalis*). Fully refined, top class vegetable oil has been used as the carrier. Applying modern techniques of extraction, characteristic odour and flavour have been reduced in **Danox 3204**.

Recommended dosage of **Danox 3204** is 200 – 1000 ppm calculated on the fat content. At recommended level of dosage, the final product has minimal or no characteristic taste, smell, colour or odour generally associated with Rosemary extracts.

## INCI Name and CAS No.

INCI Name:	Rosmarinus officinalis leaf extract Vegetable Oil
CAS No.:	84604-14-8 68956-68-3

## Specifications

Appearance:	Brown, slightly viscous liquid with dispersing solids
Rosemary Diterpenes(HPLC):	4 – 5 %
Water (Karl Fisher):	Max. 0.5 %

## Storage

Keep in a cool (preferably below 10°C, the cooler the better), dark and dry store-room.

## Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum one year.

## Applications

Recommended for general use in cosmetic products containing lipids (oils and fats).

# DANOX 3204 ORGANIC



## Product Description

**Danox 3204 Organic** is an oil solution of natural antioxidants extracted from best quality dry leaves of Rosemary (*Rosmarinus officinalis*). Fully refined, top class vegetable oil has been used as the carrier. Applying modern techniques of extraction, characteristic odour and flavour have been reduced in **Danox 3204 Organic**.

Recommended dosage of **Danox 3204 Organic** is 200 – 1000 ppm calculated on the fat content. At recommended level of dosage, the final product has minimal or no characteristic taste, smell, colour or odour generally associated with Rosemary extracts.

## INCI Name and CAS No.

INCI Name:	Rosmarinus officinalis leaf extract
	Vegetable Oil
CAS No.:	84604-14-8
	68956-68-3

## Specifications

Appearance:	Brown, slightly viscous liquid with dispersing solids
Carnosic acid content (HPLC):	4 – 5 %
Water (Karl Fisher):	Max. 0.5 %

## Storage

Keep in a cool (preferably below 10°C, the cooler the better), dark and dry store-room.

## Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum one year.





# DANOX R-3204

## Product Description

**Danox R-3204** is an oil solution of natural antioxidants extracted from best quality dry leaves of Rosemary (*Rosmarinus officinalis*). Carefully chosen top quality vegetable oils has been used as the carrier. Applying modern techniques of extraction, characteristic odour and flavour have been completely removed from **Danox R-3204**.

Recommended dosage of **Danox R-3204** is 500 – 1000 ppm i.e. 500gm – 1kg per MT of final product. At recommended level of dosage, the final product has no characteristic taste, smell, colour or odour generally associated with Rosemary extracts.

## INCI Name and CAS No.

INCI Name:	Rosmarinus officinalis
	Vegetable Oil
CAS No.:	84604-14-8
	68956-68-3

## Specifications

Appearance:	Brown, slightly viscous liquid
Carnosic acid content (HPLC):	3 – 5 %
Water (Karl Fisher):	Max. 0.5 %

## Storage

Keep in a cool (preferably below 5 to 10°C, the cooler the better), dark and dry store-room.

## Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum one year.

## Applications

Recommended for general use cosmetic products containing lipids (oils and fats) where taste and smell are undesirable.

# DANOX R-3204 ORGANIC



## Product Description

**Danox R-3204 Organic** is an oil solution of natural antioxidants extracted from best quality dry leaves of Rosemary (*Rosmarinus officinalis*). Carefully chosen top quality vegetable oils has been used as the carrier. Applying modern techniques of extraction, characteristic odour and flavour have been completely removed from **Danox R-3204 Organic**.

Recommended dosage of **Danox R-3204 Organic** is 500 – 1000 ppm i.e. 500gm – 1kg per MT of final product. At recommended level of dosage, the final product has no characteristic taste, smell, colour or odour generally associated with Rosemary extracts.

## INCI Name and CAS No.

INCI Name: Rosmarinus officinalis  
Vegetable Oil  
CAS No.: 84604-14-8  
68956-68-3

## Specifications

Appearance: Brown, slightly viscous liquid  
Carnosic acid content (HPLC): 3 – 5 %  
Water (Karl Fisher): Max. 0.5 %

## Storage

Keep in a cool (preferably below 5 to 10°C, the cooler the better), dark and dry store-room.

## Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum one year.

# DANOX 3200

## Product Description

**Danox 3200** is a natural antioxidant extracted from best quality dry leaves of Rosemary (*Rosmarinus officinalis*). Applying modern techniques of extraction, characteristic odor and flavor have been reduced in **Danox 3200**.

Recommended dosage of **Danox 3200** is 50 – 1000 ppm calculated on the fat content. At recommended level of dosage, the final product has no characteristic taste, smell, color or odor generally associated with Rosemary extracts.

## INCI Name and CAS No.

INCI Name: Rosmarinus officinalis leaf extract  
CAS No.: 84604-14-8

## Specifications

Appearance:	Yellow-greenish powder
Rosemary Diterpenes (HPLC):	Min. 15
Water (Karl Fisher):	Max. 3
Heavy metals as Pb (ppm):	Max. 10

## Storage

Keep in a cool (preferably 10°C, the cooler the better), dark and dry store-room.

## Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum two year.

# DANOX 3200 Organic



## Product Description

**Danox 3200 Organic** is a natural antioxidant extracted from best quality dry leaves of Rosemary (*Rosmarinus officinalis*). Applying modern techniques of extraction, characteristic odor and flavor have been reduced in **Danox 3200 Organic**.

Recommended dosage of **Danox 3200 Organic** is 50 – 1000 ppm calculated on the fat content. At recommended level of dosage, the final product has no characteristic taste, smell, color or odor generally associated with Rosemary extracts.

## INCI Name and CAS No.

INCI Name: *Rosmarinus officinalis* leaf extract  
CAS No.: 84604-14-8

## Specifications

Appearance:	Yellow-greenish powder
Rosemary Diterpenes (HPLC):	Min. 15
Water (Karl Fisher):	Max. 3
Heavy metals as Pb (ppm):	Max. 10

## Storage

Keep in a cool (preferably 10°C, the cooler the better), dark and dry store-room.

## Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum two year.

# DANOX WS-3202

## Product Description

**Danox WS-3202** is a natural, water-soluble antioxidant, extracted from herbs of *Rosmarinus officinalis*. **Danox WS-3202** is a very effective antioxidant for food, nutraceuticals, cosmetics and pharmaceuticals. It is completely soluble in water and may be added directly to the aqueous phase.

**Danox WS-3202** has antimicrobial and antifungal activities.

Recommended dosage of **Danox WS-3202** is 25 – 250 ppm in aqueous system.

## INCI Name and CAS No.

INCI Name: Rosmarinus officinalis leaf extract  
CAS No.: 84604-14-8

## Specifications

Appearance:	Yellow to light brown powder
Solubility	Completely soluble in water
Heavy metals as Pb (ppm):	Max. 10

## Storage

Keep in a cool (preferably 10°C, the cooler the better), dark and dry store-room.

## Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum two year.

# DANOX WS-3202 Organic



## Product Description

Danox WS-3202 **Organic** is a natural, water-soluble antioxidant, extracted from herbs of *Rosmarinus officinalis*. Danox WS-3202 **Organic** is a very effective antioxidant for food, nutraceuticals, cosmetics and pharmaceuticals. It is completely soluble in water and may be added directly to the aqueous phase.

Danox WS-3202 **Organic** has antimicrobial and antifungal activities.

Recommended dosage of Danox WS-3202 **Organic** is 25 – 250 ppm in aqueous system.

## INCI Name and CAS No.

INCI Name: Rosmarinus officinalis leaf extract  
CAS No.: 84604-14-8

## Specifications

Appearance:	Yellow to light brown powder
Solubility	Completely soluble in water
Heavy metals as Pb (ppm):	Max. 10

## Storage

Keep in a cool (preferably 10°C, the cooler the better), dark and dry store-room.

## Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum two year.

# DANOX R-3404



## Product Description

**Danox R-3204** is an oil solution of natural antioxidants extracted from best quality dry leaves of Rosemary (*Rosmarinus officinalis*). Carefully chosen top quality vegetable oil has been used as the carrier. Applying modern techniques of extraction, characteristic odor and flavor have been completely removed from **Danox R-3204**.

Recommended dosage of Danox R-3204 is 500 – 1000 ppm i.e. 500gm – 1kg per MT of final product. At recommended level of dosage, the final product has no characteristic taste, smell, color or odor generally associated with Rosemary extracts.

Product Code, INCI Name and CAS No. Product code: 501013

### INCI Name and CAS No.

INCI Name: Rosmarinus officinalis leaf extract  
CAS No.: 84604-14-8

### Specifications

Appearance: Brown, slightly viscous liquid with dispersing solids  
Rosemary Diterpenes (HPLC, %): 4-5  
Water (Karl Fisher %): Max. 0.5

### Storage

Keep in a cool (preferably 10°C, the cooler the better), dark and dry store-room.

### Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum two years.

# Synergistic Antioxidants

Rosemary extract combined with synthetic antioxidant for general use in conventional products containing lipids, **where taste and smell is undesirable.**

At recommended level of dosage, the final product has no characteristic taste, smell, colour or odour, generally associated with Rosemary.

✓ Danox R-3205

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# DANOX R-3205

## Product description

**Danox R-3205** is a mixture of synthetic and natural antioxidants extracted from best quality dry leaves of Rosemary (*Rosmarinus officinalis*) combined with synthetic antioxidants into a highly efficient, synergistic mixture. Applying modern techniques of extraction, characteristic odour and flavour have been totally reduced in **Danox R-3205**. The overall effectiveness of the product is related to the cumulative properties of the ingredients as well as their synergistic interactions.

Recommended dosage of **Danox R-3205** is appr. 500 to 1000 ppm. At recommended level of dosage, **Danox R-3205** will act as a very strong **preservative** and protect vegetable oils against oxidation and loss of antioxidants in cosmetic applications.

## INCI name and CAS no.

INCI Name:	CAS no:
Rosmarinus officinalis leaf extract	84604-14-8
TBHQ	1948-33-0
Vegetable Oil	68956-68-3

## Specifications

Appearance	Brown, slightly viscous liquid
Water (Karl Fisher)	Max. 0.5 %

## Directions of use

Shake well before use and add the calculated amount of Danox R-3205 to the oil.

## Storage

Keep in a cool (preferably below 10°C, the cooler the better), dark and dry store-room.

## Shelf Life

Under optimal storage conditions, in original unopened drums/containers, minimum two year.

## Applications

Specially designed for pre-treatment of oils and fats prior to refining.

# Antioxidant Blends

For use in cosmetics and similar products:

- ✓ **Danox 220 – BHA TBHQ Citric Acid**



# DANOX 220

## Product Description

**Danox 220** is a highly efficient antioxidant solution comprising of synergistic mixtures of Butylated Hydroxy Anisole (BHA) Tertiary Butyl Hydroquinone (TBHQ) and Citric acid, with Propylene glycol is used as a carrier.

**Danox 220** is specially designed to enhance the storage life of cosmetics by retarding lipid peroxidation. It has very good carry-through properties.

The recommended dosage of **Danox 220** is 100-600 ppm, depending on the fat/oil content of the product in consideration.

## Specifications

Form at 25°C:

Liquid

Colour:

Yellow

## Shelf Life

24 months if stored in original packaging in a cool, dry and odour free area.

## Applications

Can be used in vegetable oils, cosmetics and other similar product.



# Contact Us

For inquiries about any of our ICSC's products,  
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