



IOI OLEOCHEMICAL

BASIC OLEO

We deliver

High Quality Basic Oleo- Chemicals





WHO WE ARE

Selected raw materials, decades of experience and state-of-the-art production plants – it is this combination that makes our basic oleochemicals an ideal basis for your products. As experts in the production of short-chain and polyunsaturated fatty acids, we offer you high-quality basic products for the most diverse applications.

At our **Wittenberge site in Brandenburg**, we produce a broad range of multifunctional ingredients for a large variety of industries including food and feed, cosmetics, aromas and various technical applications.

The products in our WITARIX® brand are based entirely on vegetable raw materials and have excellent characteristics thanks to the particularly gentle production method.

However, we offer you more than just basic oleochemicals suitable for numerous applications. With our extensive know-how and high-performance technical equipment, we are able to guarantee our customers absolute reliability, maximum flexibility and a high level of availability for delivery. When it comes to meeting market requirements, we support you as a competent partner with expertise, creativity and commitment.

Poly Unsaturated
Fatty Acids

WITARIX® Le

Name: Linseed oil fatty acid
Cas-No.: 68424-45-3
Customs tariff code: 3823 19 10
Appearance Liquid

Quality: Low trans, food complaint according to the EU regulation 1881/2006 and feed certified to the QS regulations

Application: Food, feed, flavors, paints & coating and other technical applications

Specification:

CHARACTERISTIC	INSPECTION METHOD	UNIT	SPECIFIED RANGE
Acid value	DGF C-V 2	mg KOH/g	195 – 205
Iodine Value	DGF C-V 11d	g I/100 g	183 – 200
Unsaponifiabiles	DGF C-III 1 a	%	<= 1.5
Livobond5 ¼" yellow	DGF C-IV 4		<= 15.0
Livobond5 ¼" red	DGF C-IV 4		<= 2.0
Fatty acid C16	DGF C-VI 10 a	%	4 – 8
Fatty acid C18	DGF C-VI 10 a	%	2 – 5
Fatty acid C18:1	DGF C-VI 10 a	%	16 – 26
Fatty acid C18:2	DGF C-VI 10 a	%	14 – 22
Fatty acid C18:3	DGF C-VI 10 a	%	47 – 58
>Fatty acid C18	DGF C-VI 10 a	%	<= 2.0
Sum trans fatty acid	DGF C-VI 10 a	%	<= 2.0

Poly Unsaturated
Fatty Acids

WITARIX® Sb

Name: Sunflower oil fatty acid
Cas-No.: 84625-38-7
Customs tariff code: 3823 19 10
Appearance Liquid

Quality: Low trans, food complaint according to the EU regulation 1881/2006

Application: Food, flavors, cosmetic, paints & coating and other technical applications

Specification:

CHARACTERISTIC	INSPECTION METHOD	UNIT	SPECIFIED RANGE
Acid value	DGF C-V 2	mg KOH/g	195 – 204
Iodine Value	DGF C-V 11d	g I/100 g	125 – 145
Unsaponifiabiles	DGF C-III 1 a	%	<= 1.0
Titre	DGF C-IV 3c	°C	15 – 25
Livobond5 ¼" yellow	DGF C-IV 4		<= 10
Livobond5 ¼" red	DGF C-IV 4		<= 1.5
< Fatty acid C14	DGF C-VI 10 a	%	<= 2.0
Fatty acid C16	DGF C-VI 10 a	%	5 – 8
Fatty acid C18	DGF C-VI 10 a	%	2 – 6
Fatty acid C18:1	DGF C-VI 10 a	%	20 – 35
Fatty acid C18:2	DGF C-VI 10 a	%	55 – 68
Fatty acid C18:3	DGF C-VI 10 a	%	<= 2.0
>Fatty acid C18	DGF C-VI 10 a	%	<= 2.0
Sum trans fatty acid	DGF C-VI 10 a	%	<= 2.0

Poly Unsaturated
Fatty Acids

WITARIX® RA

Name: Rapeseed oil fatty acid
Cas-No.: 93165-31-2
Customs tariff code: 3823 19 10
Appearance Liquid
Quality: Low trans, food complaint according to the EU regulation 1881/2006 and feed certified to the QS regulations, non GMO
Application: Food, feed and technical applications

Specification:

CHARACTERISTIC	INSPECTION METHOD	UNIT	SPECIFIED RANGE
Acid value	DGF C-V 2	mg KOH/g	195 – 202
Iodine Value	DGF C-V 11d	g I/100 g	105 – 125
Unsaponifiables	DGF C-III 1 a	%	<= 1.0
Livobond5 ¼" yellow	DGF C-IV 4		<= 10.0
Livobond5 ¼" red	DGF C-IV 4		<= 1.5
< Fatty acid C16	DGF C-VI 10 a	%	<= 1.0
Fatty acid C16	DGF C-VI 10 a	%	4 – 7
Fatty acid C16:1	DGF C-VI 10 a	%	<= 1.0
Fatty acid C18	DGF C-VI 10 a	%	<= 3.0
Fatty acid C18:1	DGF C-VI 10 a	%	53 – 65
Fatty acid C18:2	DGF C-VI 10 a	%	18 – 23
Fatty acid C18:3	DGF C-VI 10 a	%	6 – 12
>Fatty acid C18	DGF C-VI 10 a	%	<= 6.0
Sum trans fatty acid	DGF C-VI 10 a	%	<= 1.0

Poly Unsaturated
Fatty Acids

WITARIX® OLS 85

Name: High oleic sunflower oil fatty acid

Cas-No.: 112-80-1

Customs tariff code: 3823 19 10

Appearance Liquid

Quality: Low trans, food compliant according to the EU regulation 1881/2006

Application: Food, flavors, cosmetic and technical applications

Specification:

CHARACTERISTIC	INSPECTION METHOD	UNIT	SPECIFIED RANGE
Acid value	DGF C-V 2	mg KOH/g	194 – 201
Iodine Value	DGF C-V 11d	g I/100 g	80 – 97
Unsaponifiables	DGF C-III 1 a	%	<= 1.0
Cloud point	DGF D-III 3	°C	<= 22.0
Livobond 5 ¼" yellow	DGF C-IV 4		<= 10.0
Livobond 5 ¼" red	DGF C-IV 4		<= 1.0
<= Fatty acid C16	DGF C-VI 10 a	%	<= 6.0
Fatty acid C16:1	DGF C-VI 10 a	%	<= 1.0
Fatty acid C18	DGF C-VI 10 a	%	<= 6.0
Fatty acid C18:1	DGF C-VI 10 a	%	81 – 90
Fatty acid C18:2	DGF C-VI 10 a	%	<= 10.0
Fatty acid C18:3	DGF C-VI 10 a	%	<= 1.0
>Fatty acid C18	DGF C-VI 10 a	%	<= 2.0
Sum trans fatty acid	DGF C-VI 10 a	%	<= 1.0

Poly Unsaturated
Fatty Acids

WITARIX® LFS 75

Name: Safflower oil fatty acid
Cas-No.: 93165-34-5
Customs tariff code: 2916 15 00
Appearance Liquid

Quality: Low trans, food compliant according to the EU regulation 1881/2006

Application: Cosmetic, flavor and technical applications

Specification:

CHARACTERISTIC	INSPECTION METHOD	UNIT	SPECIFIED RANGE
Acid value	DGF C-V 2	mg KOH/g	195 – 210
Iodine Value	DGF C-V 11d	g I/100 g	130 – 155
Peroxide value	DGF C-VI 6a	meq O2/kg	<= 5.0
Colour Gardner	DGF C-IV 4		<= 2.0
< Fatty acid C18	DGF C-VI 10 a	%	2 – 10
Fatty acid C18	DGF C-VI 10 a	%	<= 5.0
Fatty acid C18:1	DGF C-VI 10 a	%	8 – 16
Fatty acid C18:2	DGF C-VI 10 a	%	70 – 84
Fatty acid C18:3	DGF C-VI 10 a	%	<= 2.0
>Fatty acid C18	DGF C-VI 10 a	%	<= 2.0
Sum trans fatty acid	DGF C-VI 10 a	%	<= 1.0

WITARIX® C8/99

Name: Caprylic acid
Cas-No.: 124-07-2
Customs tariff code: 2915 90 70
Appearance Liquid

Quality: Coconut, palm and RSPO MB, feed certified to the QS regulations

Application: MCT, feed, fragrances & flavors, cosmetis and technical applications

Specification:

CHARACTERISTIC	INSPECTION METHOD	UNIT	SPECIFIED RANGE
Acid value	DGF C-V 2	mg KOH/g	384 – 392
Saponification value	DGF C-V 3	mg KOH/g	384 – 393
Iodine value	DGF C-V 11 d	g I/100 g	<= 0.5
Unsaponifiabiles	DGF D-III 1 a	%	<= 0.5
Titre	DGF C-IV 3 c	°C	12 – 16
Lovibond 5 ¼" yellow	DGF C-IV 4		<= 5.0
Lovibond 5 ¼" red	DGF C-IV 4		<= 0.5
Fatty acid C06	DGF C-VI 10 a	%	<= 1.0
Fatty acid C08	DGF C-VI 10 a	%	98 – 100
Fatty acid C10	DGF C-VI 10 a	%	<= 1.0

WITARIX® C8-10 Typ 1

Name: Caprylic - Capric acid
Cas-No.: 68937-75-7
Customs tariff code: 3823 19 10
Appearance Liquid
Quality: Coconut, palm, organic (Ecocert), RSPO MB, food compliant according to the EU regulation 1881/2006 and feed certified to the QS regulations
Application: MCT, feed, fragrances & flavors, cosmetic and technical applications

Specification:

CHARACTERISTIC	INSPECTION METHOD	UNIT	SPECIFIED RANGE
Acid value	DGF C-V 2	mg KOH/g	354 – 365
Saponification value	DGF C-V 3	mg KOH/g	354 – 366
Iodine value	DGF C-V 11 d	g I/100 g	<= 0.5
Unsaponifiabiles	DGF D-III 1 a	%	<= 0.5
Titre	DGF C-IV 3 c	°C	1 – 5
Lovibond 5 ¼" yellow	DGF C-IV 4		<= 2.0
Lovibond 5 ¼" red	DGF C-IV 4		<= 0.5
Fatty acid C06	DGF C-VI 10 a	%	<= 0.5
Fatty acid C08	DGF C-VI 10 a	%	53 – 63
Fatty acid C10	DGF C-VI 10 a	%	35 – 46
Fatty acid C12	DGF C-VI 10 a	%	<= 1.5

Glycerin

Specification:

CHARACTERISTIC	INSPECTION METHOD	UNIT	SPECIFIED RANGE
Glycerol content iodometric	DGF E-III 3 b	%	>= 80.0
Ash	DGF E-III 4	%	<= 2.0
Water content	DGF C-III 13 a	%	<= 20.0
MONG	DGF E-III 9 a	%	<= 3.0

WITARIX® split
Glycerin 80

Name: Split Glycerin 80
Cas-No.: 56-81-5
Customs tariff code: 1520 00 00
Appearance Liquid
Quality: Vegetable, non palm
and non GMO



Monoglycerid

Specification:

CHARACTERISTIC	INSPECTION METHOD	UNIT	SPECIFIED RANGE
Acid value	DGF C-V 2	mg KOH/g	<= 3.0
Glycerol	AAWBAN401085	%	<= 30.0
Monoglycerides	AAWBAN401085	%	>= 40.0

WITARIX® GC312

Name:	Monoglycerid C3-C12
Customs tariff code:	3824 99 55
Appearance	Liquid
Quality:	Feed material according to 13.028 of the GMP+ list of products
Application:	Feed

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