



- Active Pharmaceutical Ingredients
- Pharmaceutical Excipients
- Topical Ingredients
- Silicone Tubing
- Extracts
- Preservatives

Pharma Portfolio

Content

Our Partners	4
Active Pharmaceutical Ingredients	5
Strategic APIs	5
Avesta Pharma	7
Macrogol	7
DuPont™ Liveo™	7
Simethicone and Emulsion	7
Grillo Zinkoxid GmbH	8
Zinc Oxide Pharma	8
Tereos Starch & Sweeteners	8
Glucose Monohydrate Injectable Grade	8
Omya	9
Calcium Carbonate	9
Pharmaceutical Excipients	9
Avesta Pharma	9
Macrogol	9
MEGGLE Lactose	10
Pharmaceutical Lactose and Co-processed Excipients	10
Tereos Starch & Sweeteners	10
Starch	10
Dextrose/Glucose	11
Maltodextrin	11
Polyoles	11
Tereos France (for sugar)	12
Sucrose	12
Sucrose With Functional Additives	12
Nouryon – Cellulose Derivative	12
Carmellose Sodium	12
Omya	13
Functionalized Calcium Carbonate	13
CPKelco – Biogums	13
Xanthan Gum	13
Pectine	13
Carrageenan	14
Gellan Gum	14
DuPont™ Liveo™	14
Fluids	14
Volatiles and Cyclics	14
Blends	15

Grillo Zinkoxid	15
Zinkoxid Pharma	15
DuPont Tate & Lyle	15
Propanediol	15
KLK OLEO	16
Glycerin	16
Various Excipients	16
Stearates	16
Topical Ingredients	17
DuPont™ Liveo™	17
Fluids	17
Specialty Fluids	17
Resins	18
Blends	18
Silicone Tubing	19
Pharma Tubing	19
Extracts	20
Bio-gen Extracts	20
Natural Extracts, Ingredients and Colours	20
Preservatives	21
Ueno Fine Chemicals Industry	21
Parabens	21
Rasula Pharmaceuticals and Fine Chemicals	21
Paraben Salts	21

Our Partners



Active Pharmaceutical Ingredients

Strategic APIs

- Active ingredients for various medical uses and dosages
- Regulatory consulting and GMP/GDP certified process and logistics
- Customised sourcing of APIs on request

Product Name	Use	CAS	EP Monograph	Documentation
Acetazolamide	Diuretic	59-66-5	•	CEP
Allopurinol	Uricosuric	315-30-0	•	CEP
Apixaban	Anticoagulant	503612-47-3	IH	ASMF
Benfotiamine	Provitamin	22457-89-2	IH	ASMF
Benzyl Nicotinate	Rubefacient	94-44-0	DAB	ASMF
Bosentan	Antihypertensive	147536-97-8	IH	ASMF
Bromhexine HCl	Expectorant	611-75-6	•	CEP
Brompheniramine Maleate	Antihistamine	980-71-2	•	ASMF
Carbamazepine	Anticonvulsant	298-46-4	•	CEP
Carmustine	Cytostatic	154-93-8	•	CEP
Cetrimide	Antiseptic	1119-97-7	•	ASMF
Cetylpyridinium Chloride	Antiseptic	6004-24-6	•	ASMF
Chlorhexidine Diacetate	Antiseptic	56-95-1	•	ASMF
Chlorhexidine Digluconate	Antiseptic	18472-51-0	•	ASMF
Chlorhexidine Dihydrochloride	Antiseptic	3697-42-5	•	ASMF
Chlorpheniramine Maleate	Antihistamine	113-92-8	•	ASMF
Chlorthalidone	Diuretic	77-36-1	•	ASMF, USDMF
Clotrimazole	Antifungal	23593-75-1	•	CEP, USDMF
Cyclobenzaprine HCl	Muscle relaxant	6202-23-9	USP	ASMF
Dexketoprofen	Analgesic	22161-81-5	IH	ASMF
Diclofenac Diethylammonium	Anti-inflammatory	78213-16-8	BP	ASMF, USDMF
Diclofenac Free Acid	Anti-inflammatory	15307-86-5	IH	ASMF, USDMF
Diclofenac Potassium	Anti-inflammatory	15307-81-0	•	CEP
Diclofenac Sodium	Anti-inflammatory	15307-79-6	•	CEP, USDMF
Ethyl Nicotinate	Rubefacient	614-18-6	IH	ASMF

Product Name	Use	CAS	EP Monograph	Documentation
Fentanyl Citrate	Analgesic	990-73-8	•	ASMF
Guaifenesin	Expectorant	93-14-1	•	CEP, USDMF
Hexyl Nicotinate	Rubefacient	23597-82-2	IH	ASMF
Levetiracetam	Anti-epileptic	102767-28-2	•	CEP, USDMF
Lidocaine Base	Anesthetic	137-58-6	•	CEP
Lidocaine HCl	Anesthetic	6108-05-0	•	CEP
Manidipine	Antihypertensive	89226-50-6	JP	ASMF
Methadone HCl	Analgesic	1095-90-5	•	CEP
Methyl Nicotinate	Rubefacient	93-60-7	•	ASMF
Methylphenobarbital	Anesthetic	115-38-8	•	CEP
Miltefosine	Antileishmanial	58066-85-6	IH	ASMF
Modafinil	Narcoleptic	68693-11-8	USP	ASMF
Ondansetron HCl	Antiemetic	103639-04-9	USP	ASMF
Perazine Dimalonate	Antipsychotic	14777-25-4	DAC	ASMF
Pheniramine Maleate	Antihistamine	132-20-7	•	ASMF
Phenytoin sodium	Anticonvulsant	57-41-0	•	CEP
Potassium Sulfoguaiacolate	Expectorant	1321-14-8	•	ASMF
Prasugrel HCl	Anticoagulant	389574-19-0	USP	ASMF
Probenecid	Uricosuric	57-66-9	•	ASMF
Promethazine HCl	Sedative	58-33-3	•	ASMF
Propofol	Anesthetic	2078-54-8	•	CEP
Remifentanil HCl	Analgesic	132539-07-2	•	ASMF
Riboflavin Sodium Phosphate	Vitamin	83-88-5	•	CEP
Risperidone	Antipsychotic	106266-06-2	•	CEP, USDMF
Rivaroxaban	Anticoagulant	366789-02-8	IH	ASMF
Rosuvastatin Calcium	Statin	147098-20-2	•	CEP, USDMF
Solifenacin Succinate	Antimuscarinic	242478-38-2	•	ASMF
Sugammadex Sodium	Reversal Anesthesia	343306-71-8	IH	ASMF
Tepoxalin	Anti-inflammatory	103475-41-8	IH	n/a

Product Name	Use	CAS	EP Monograph	Documentation
Thalidomide	Antineoplastic	50-35-1	USP	ASMF
Tripelennamine HCl	Antihistamine	154-69-8	USP	ASMF, USDMF
Undecylenic Acid	Antifungal	112-38-9	•	ASMF
Valproic Acid	Anticonvulsant	99-66-1	•	CEP
Venlafaxine HCl	Antipsychotic	99300-78-4	•	CEP, USDMF
Vildagliptin	Antidiabetic	274901-16-5	IH	ASMF
Xipamide	Diuretic	14293-44-8	IH	ASMF
Zinc Undecylenate	Antifungal	557-08-4	•	ASMF

Avesta Pharma

Macrogol

Product	Description	Grade
Macrogol 3350	Polyethylene glycol, PEG	BP/EP/NF Certificate of suitability (CEP)
Macrogol 4000	Polyethylene glycol, PEG	BP/EP/NF Certificate of suitability (CEP)

- Active for laxatives
- ICH Q7 GMP
- EDMF Macrogol 3350/4000 available

DuPont™ Liveo™

Simethicone and Emulsion

Product	Description	Grade
Q7-2243 LVA, Simethicone USP	Silicone antifoam Low volatile	Simeticone EP Certificate of suitability (CEP) Simethicone USP, US-DMF
Antifoam M Compound	Silicone antifoam Low volatile	Simeticone EP Certificate of suitability (CEP)
Q7-2587 30% Simethicone Emulsion USP	Emulsion containing 30 % simethicone	Simethicone Emulsion USP

- Active for prescription/OTC/medical device antifatulents
- Foam control in medical and pharmaceutical applications
- Process aid for biofermentation
- ICH Q7 GMP
- FDA registered production site

Grillo Zinkoxid

Zinc Oxide Pharma

Product	Description	Grade
Zinc Oxide Pharma 4 API	High purity pharmaceutical zinc oxide 99.995 % ZnO	EP/USP/BP CEP, ASMF
Zinc Oxide Pharma 6 API	High purity pharmaceutical zinc oxide 99.995 % ZnO	EP/USP/BP CEP, ASMF
Zinc Oxide Pharma 8 API	High purity pharmaceutical zinc oxide 99.995 % ZnO	EP/USP/BP CEP, ASMF

- Pharmaceutical API
- UV-protection, wound healing, antiseptic effect, antimicrobial effect
- GMP certification available
- CEP request submitted, expected within 2019
- EU-ASMF available

Tereos Starch & Sweeteners

Glucose Monohydrate Injectable Grade

Product	Description	Grade
Meridex™	Glucose monohydrate Tested on bacterial endotoxin (L.A.L test)	Dextrose USP/NF Glucose Monohydrate EP
Meridex™ PF	Glucose monohydrate Tested on pyrogens (Ph. Eur.)	Dextrose USP/NF Glucose Monohydrate EP

- Parenteral nutrition, infusion solutions, haemodialysis (HD) and eritoneal dialysis (PD)
- Matches key properties such as purity, flowability and product stability during processing

Omya

Calcium Carbonate

Product	Description	Grade	Comments
Omyapure® 35-OG	Calcium carbonate	EP / USP / JP Certificate of suitability (CEP)	ICH Q7A ISO 9001, 14001 , 22000 & OHSAS 18001 certified production site
Omya-Cal®	Calcium carbonate	EP/USP Drug Master File (DMF)	HACCP & cGMP Certified production site.

- Calcium supplementation for treating e.g. osteoporosis, antacids, heartburn

Pharmaceutical Excipients

Avesta Pharma

Macrogol

Product	Description	Grade
Macrogol 200	Polyethylene glycol, PEG	NF
Macrogol 400	Polyethylene glycol, PEG	EP/NF
Macrogol 3350	Polyethylene glycol, PEG	BP/EP/NF Certificate of suitability (CEP)
Macrogol 4000	Polyethylene glycol, PEG	BP/EP/NF Certificate of suitability (CEP)
Macrogol 6000	Polyethylene glycol, PEG	BP/EP/NF

- Solubility enhancer, non-alcohol diluent
- Filler
- ICH Q7 GMP

MEGGLE Lactose

Pharmaceutical Lactose and Co-processed Excipients

Product	Description	Grade
GranuLac®	Milled Lactose Monohydrate Range of specific particle sizes	Lactose Monohydrate (Ph. Eur. / USP-NF / JP)
SorboLac® 400	Milled Lactose Monohydrate	Lactose Monohydrate (Ph. Eur. / USP-NF / JP)
PrismaLac® 40	Sieved Lactose Monohydrate	Lactose Monohydrate (Ph. Eur. / USP-NF / JP)
CapsuLac® 60	Sieved Lactose Monohydrate	Lactose Monohydrate (Ph. Eur. / USP-NF / JP)
SacheLac® 80	Sieved Lactose Monohydrate	Lactose Monohydrate (Ph. Eur. / USP-NF / JP)
SpheroLac® 100	Sieved Lactose Monohydrate	Lactose Monohydrate (Ph. Eur. / USP-NF / JP)
Tablettose®	Agglomerated Lactose Monohydrate Range of specific particle sizes	Lactose Monohydrate (Ph. Eur. / USP-NF / JP)
FlowLac®	Spray-dried Lactose Monohydrate Range of specific particle sizes	Lactose Monohydrate (Ph. Eur. / USP-NF / JP)
DuraLac® H	Anhydrous Lactose	Anhydrous Lactose (USP-NF / Ph. Eur. / JP)
Cellactose 80®	Co-processed, directly compressible spray agglomerate	75 % Lactose Monohydrate (Ph. Eur., USP-NF, JP) 25 % Powdered Cellulose (Ph. Eur., USP-NF, JP)
MicroceLac®100	Co-processed, directly compressible spray agglomerate	75 % Lactose Monohydrate (Ph. Eur., USP-NF, JP) 25 % Microcrystalline Cellulose (Ph. Eur., USP-NF, JP)
StarLac®	Co-processed, directly compressible spray agglomerate	85 % Lactose Monohydrate (Ph. Eur., USP-NF, JP) 15 % Maize Starch (Ph. Eur., USP-NF, JP)
CombiLac®	Co-processed, directly compressible spray agglomerate	70 % Lactose Monohydrate (Ph. Eur., USP-NF, JP) 20 % Microcrystalline Cellulose (Ph. Eur., USP-NF, JP) 10 % Maize Starch (Ph. Eur., USP-NF, JP)
RetaLac®	Co-processed, directly compressible spray agglomerate	50 % Lactose Monohydrate (Ph. Eur., USP-NF, JP) 50 % Hypromellose (Ph. Eur., USP-NF, JP)
Reta M®	Co-processed, directly compressible spray agglomerate	50 % Mannitol (Ph. Eur., USP-NF, JP) 50 % Hypromellose (Ph. Eur., USP-NF, JP)
InhaLac®	Sieved, milled and micronized Lactose Monohydrate for DPI Range of specific particle sizes	Inhaler Grade Lactose Monohydrate (USP-NF / Ph. Eur. / JP)

Tereos Starch & Sweeteners

Starch

Product	Description	Grade
Meritena 141 Pharma	Maize starch powder/ Corn starch	Maize Starch EP Corn Starch NF

- Quality system based on IPEC-PQG GMP for pharmaceutical excipients
- Solid dosage forms, direct compression, capsules and powders
- Medicated confectionery, hard boiled candies, gums, chewing gums

Dextrose/Glucose

Product	Description	Grade
Meritose Pharma	Dried D-glucose/dextrose powder Dextrose monohydrate Range of specific particle sizes	Glucose Monohydrate EP Dextrose USP/NF
Mylose Pharma	Glucose syrup Dextrose equivalent and sugar spectrum	Glucose Liquid EP Liquid Glucose USP/NF
Glucomalt Pharma	Glucose syrup Dextrose equivalent and sugar spectrum	Glucose Liquid EP Liquid Glucose USP/NF
Glucodry G Pharma	Glucose syrup spray-dried Dextrose equivalent and sugar spectrum	Glucose liquid spray-dried EP

- Quality system based on IPEC-PQG GMP for pharmaceutical excipients
- Solid dosage forms, direct compression, wet and dry granulation, capsules and powders
- Liquid dosage forms, syrups, solutions, suspensions
- Medicated confectionery, hard boiled candies, gums, chewing gums

Maltodextrin

Product	Description	Grade
Maldex Pharma	Spray-dried maltodextrin powder Range of specific particle sizes	Maltodextrin EP, USP/NF
Maldex G Pharma	Spray-dried maltodextrin granulate Range of specific particle sizes	Maltodextrin EP, USP/NF

- Quality system based on IPEC-PQG GMP guidelines for pharmaceutical excipients
- Solid dosage forms, direct compression, wet and dry granulation, capsules and powders
- Liquid dosage forms, syrups, solutions, suspensions
- Medicated confectionery, hard boiled candies gums, chewing gum
- Clinical nutrition, baby food

Polyoles

Product	Description	Grade
Merisorb Pharma	Crystallised sorbitol powder (min. 97 % D-sorbit) Range of specific particle sizes	Sorbitol EP, USP/NF
Meritol Pharma	Crystallising sorbitol syrup Non-crystallising sorbitol syrup	Sorbitol Liquid (crystallising) EP Sorbitol Liquid (non-crystallising) EP
Maltilite Pharma	D-Maltitol from maltitol syrup Range of specific maltitol contents and dry substances	Maltitol Liquid EP
Maltilite P 200 Pharma	D-Maltitol powder	Maltitol EP

- Quality system based on IPEC-PQG GMP for pharmaceutical excipients
- Solid dosage forms, direct compression, wet and dry granulation, capsules and powders
- Liquid dosage forms, syrups, solutions, suspensions
- Medicated confectionery, hard boiled candies gums, chewing gum

Tereos France (for sugar)

Sucrose

Product	Description	Grade
Sucrose solution	Perfectly clear solution, very low colour level	Made from USP/NF Sucrose
Compressuc® MS	Spray-dried sucrose Anhydrous, easily soluble in water	USP/NF Compressible Sugar
Compressuc® PS	Spray-dried sucrose Anhydrous, easily soluble in water	USP/NF Sucrose EP Sucrose
Alveosucré Fine Grains	Agglomerated sucrose	EP Sucrose
Pearl sugar 30	Agglomerated sucrose	EP Sucrose
Pure icing sugar	Milled sucrose	EP Sucrose
Granulated sugars	Screened sucrose Particle size 600-2000 µm	EP Sucrose
Caster sugars	Screened sucrose Particle size 250/400 µm	EP Sucrose

Sucrose With Functional Additives

Product	Description	Grade
Icing sugar with starch	Milled sucrose + starch	USP/NF Confectioner's Sugar

- Quality system based on IPEC-PQG GMP for pharmaceutical excipients
- Solid dosage forms, direct compression, wet and dry granulation, capsules, powders and sugar spheres
- Liquid dosage forms, syrups, solutions, suspensions, dry syrups

Nouryon – Cellulose Derivative

Carmellose Sodium

Product	Description	Grade
Cekol	Carmellose sodium, CMC Available in a wide range of viscosity grades	Carmellose Sodium EP Carboxymethylcellulose NF

- Tablet coating
- Thickener and rheology modifier
- Stabilisation of emulsions and suspensions

Omya

Functionalized Calcium Carbonate

Product	Description	Grade	Comments
Omyapharm® 500-OG	Co-processed excipient based on calcium carbonate and tribasic calcium phosphate	EXCiPACT US DMF under preparation	Binder for wet -, dry granulation and direct compression, hot melt extrusion, carrier, fast orally disintegrating tablets (ODTs) ISO 9001, 14001, 22000 & OHSAS 18001 certified production site

CPKelco – Biogums

Xanthan Gum

Product	Description	Grade
Xantural® 11K	Xanthan gum 14 mesh/1,18 mm particle size	Xanthan Gum EP/NF
Xantural® 180	Xanthan gum 80 mesh/180 µm particle size	Xanthan Gum EP/NF
Xantural® 75	Xanthan gum 200 mesh/75 µm particle size	Xanthan Gum EP/NF

- Quality system based on IPEC-PQG GMP for pharmaceutical excipients
- Thickener, rheology modifier or gel forming agent
- Stabilisation of emulsions and suspensions
- Controlled drug release formulations

Pectine

Product	Description	Grade
Genu® Pectin	Pectin from citrus peel High ester pectin (DE >50%) Range of specific particle sizes Available in different viscosity grades	Pectin USP

- Gel forming agent
- Textures from gels to structured fluids
- Used as water-binding and film-forming agents
- Emulsion/suspension stabilisation
- Buffer effect to pH 3-5
- Ability to absorb and bind water

Carrageenan

Product	Description	Grade
Genuvisco® CG-129	Lambda-carrageenan Viscous non-gelling solutions	Carrageenan NF
Genugel® CG-130	Kappa-carrageenan Firm and brittle gels	Carrageenan NF
Genuvisco® CG-131	Iota-carrageenan Elastic and cohesive gels	Carrageenan NF

- Gel forming agent
- Thickener and rheology modifier
- Stabilisation of emulsions, suspensions and foams

Gellan Gum

Product	Description	Grade
Kelcogel® CG-LA	Gellan gum (low acyl) Firm, non-elastic, brittle gels	Gellan Gum NF
Kelcogel® CG-HA	Gellan gum (high acyl) Soft, very elastic, non-brittle gels	Gellan Gum NF

- Gel forming agent
- Thickener and rheology modifier
- Fluid-gel forming agent
- Controlled drug release formulations

DuPont™ Liveo™

Fluids

Product	Description	Grade
Q7-9120 Silicone Fluid 20 cSt 100 cSt 350 cSt 1.000 cSt 12.500 cSt	Dimethicone, polymethylsiloxane (PDMS)	Dimethicone NF, US-DMF Dimeticone/Silicone Oil EP Certificate of Suitability (CEP)
ST-Dimethiconol 40	Short, hydroxy-terminated dimethicone	For use in topical pharmaceutical applications

- Skin protectant
- Solubiliser for hydrophilic actives

Volatiles and Cyclics

Product	Description	Grade
Q7-9180 Silicone Fluid 0,65 cSt 1 cSt	Hexamethyldisiloxane (0,65 cSt) Octamethyltrisiloxane (1 cSt)	For use in topical pharmaceutical applications
ST-Cyclomethicone 5-NF ST-Cyclomethicone 56-NF	Cyclopentasiloxan (D5) Cyclopenta-/Cyclohexasiloxan (D5/D6)	Cyclomethicone NF For use in topical pharmaceutical applications

- Volatile carrier for sprays or semi-solid formulations
- No cooling effect, non-stinging

Blends

Product	Description	Grade
Dimethiconol Blend 20	Ultra-high viscosity silicone gum (6%) in non-volatile dimethicone Non occlusive film former	For use in topical pharmaceutical applications
Silmogen Carrier	Ultra-high viscosity silicone gum (1%) in hexamethyldisiloxane Carrier for sprays	For use in topical pharmaceutical applications
ST-Elastomer 10	Dimethicone crosspolymer (12%) in cyclo-meticone (D5) Thickener for silicone containing formulations	For use in topical pharmaceutical applications

Grillo Zinkoxid

Zinkoxid Pharma

Product	Description	Grade
Grillo UV ProTec®	High purity pharmaceutical zinc oxide 99.0 % ZnO	EP/USP/BP
Zinc Oxide Pharma 4 Excipient	High purity pharmaceutical zinc oxide 99.995% ZnO	EP/USP/BP
Zinc Oxide Pharma 6 Excipient	High purity pharmaceutical zinc oxide 99.995% ZnO	EP/USP/BP
Zinc Oxide Pharma 8 Excipient	High purity pharmaceutical zinc oxide 99.995% ZnO	EP/USP/BP

- Pharmaceutical excipient
- UV-protection, wound healing, antiseptic effect, antimicrobial effect
- Complies with EU GMP guidelines

DuPont Tate & Lyle

Propanediol

Product	Description	Grade
Zemea® USP-NF Propanediol	1,3-Propanediol	USP/NF Naturally derived

- Alternative to petroleum-based glycols and glycerin – naturally derived
- Preservative-booster and moisturiser

KLK OLEO

Glycerin

Product	Description	Grade
Edenor® G 86 PH	Glycerol, 1.2.3-Propantriol, Glycerin min. 85 % CAS: 56-81-5	EP/USP
Edenor® G 99.8 PH	Glycerol, 1.2.3-Propantriol, Glycerin min. 99 % CAS: 56-81-5	EP/USP
Palmester® 3595 EP	Caprylic/Capric Triglyceride CAS: 65381-09-1 / 73398-61-5	EP

- Pharmaceutical excipient
- In cremes, ointments or juices

Various Excipients

Stearates

Product	Description	Grade
Magnesium Stearate	Vegetable grade FCC	Magnesium Stearate EP/NF
Calcium Stearate	Vegetable grade FCC	Calcium Stearate NF
Sodium Stearate	Vegetable grade	Sodium Stearate EP/NF
Zinc Stearate	Vegetable grade	Zinc Stearate EP/NF
Aluminium Stearate	Vegetable grade	
Potassium Stearate	Vegetable grade	
Stearic Acid 50 % / 70 %	Vegetable grade FCC	Stearic Acid EP, USP/NF, JP, BP

- Tableting agent
- Lubricant
- Flowability agent
- Separating agent
- Water repellent

Topical Ingredients

DuPont™ Liveo™

Fluids

Product	Description	Grade
TI-1050 Fluids 1,5 cSt	Volatile dimethicone Linear polydimethylsiloxane	For use in topical medical device applications
TI-1050 Fluids 5 cSt 10 cSt	Low molecular weight dimethicone Linear polydimethylsiloxane Non-volatile	For use in topical medical device applications
TI-1050 Fluids 50 cSt 100 cSt 200 cSt 350 cSt 1.000 cSt	Intermediate molecular weight dimethicone Linear polydimethylsiloxane Non-volatile	For use in topical medical device applications
TI-1050 Fluids 12.500 cSt 30.000 cSt 100.000 cSt	High molecular weight dimethicone Linear polydimethylsiloxane Non-volatile	For use in topical medical device applications

- Non occlusive
- Lubricant
- Spreading agent

Specialty Fluids

Product	Description	Grade
TI-2021 AMS Specialty Fluid	Caprylyl-modified trisiloxane Moderate volatility	For use in topical medical device applications

- Solubiliser and compatibiliser
- Spreading agent
- Non occlusive

Resins

Product	Description	Grade
TI-7012 Solid Resin	MQ resin polymer Trimethylsiloxysilicate Solventless	For use in topical medical device applications

- Film former
- Permeable barrier film
- Long lasting film
- Excellent wash-off resistance
- Non occlusive

Blends

Product	Description	Grade
MG-2107	Hexamethyldisiloxane 73% W/W Octamethyltrisiloxane 20% W/W Trimethylsiloxanesilicate 7% W/W	For use in topical medical device applications
MG-2110	Hexamethyldisiloxane 70% W/W Octamethyltrisiloxane 20% W/W Trimethylsiloxanesilicate 10% W/W	For use in topical medical device applications

- Silicone blends for skin barrier products (e.g. ostomy care)
- Quick drying time
- Ready-to-use silicone blends

Product	Description	Grade
MG-2001	Hexamethyldisiloxane 94% W/W Octamethyltrisiloxane 5% W/W Dimethicone 20cSt 1% W/W	For use in topical medical device applications

- Silicone Blend for adhesive removal products (excellent cleaning ability)
- Quick drying time
- Skin protectant

Product	Description	Grade
TI-3021 Silicone Elastomer Blend	Dimethicone and dimethicone crosspolymer Mixture of high molecular weight Cross linked silicone (14%) in dimethicone 5 cSt Rheology modifier	For use in topical medical device applications

- Emollient
- Non occlusive
- Improves substantivity

Silicone Tubing

Pharma Tubing

Product	Description	Grade
Pharma Tubing 50 Shore A 65 Shore A 80 Shore A	Platinum-cured silicone tubing For high purity pharmaceutical fluid transfer and filling applications	EP 3.1.9. "Silicone elastomer for closures and tubing" USP Class VI, FDA and ISO criteria cGMP
Pharma Reinforced Tubing 65 Shore A	Platinum-cured silicone tubing Fiber-reinforced tubing for high-pressure and vacuum applications	EP 3.1.9. "Silicone elastomer for closures and tubing" USP Class VI, FDA and ISO criteria
Pharma Advanced Pump Tubing	Specifically formulated platinum-cured silicone tubing for peristaltic pump applications Providing up to six times the pump life of standard platinum-cured silicone tubing	EP 3.1.9. "Silicone elastomer for closures and tubing" USP Class VI, FDA and ISO criteria cGMP

- Pharmaceutical grade silicone tubing
- For high purity pharmaceutical & biotechnological fluid transfer and filling application
- Increased kink and pressure resistance with higher durometers
- Extruded from Liveo™ brand BioMedical Grade Elastomer

Extracts

Bio-gen Extracts

Natural Extracts, Ingredients and Colours

Product	Description	Grade
Lute-gen®	Lutein from tagetes erecta in free & ester form Available as oil, powder, beadlet, CWD powder & DC-grade	DMF Clinical study: In vitro proliferative and telomere length analysis Solvent free
Zea-gen™	Zeaxanthin from tagetes erecta Available as oil & powder	Solvent free
Beta Caro-gen®	Natural Beta-Carotene from blakeslea trispora Available as oil, powder & beadlet	
TruBeet™	Standardised Beetroot Extract 6 % Nitrates	Solvent free
FenuLean™	Fenugreek Protein & Fiber High protein, low fat Available as powder & flakes	Cross-over clinical study for satiety, hunger & fullness
Garlixir®	Standardised Garlic Extract (Lipid extracted)	In-vitro clinical study Solvent free
Ultra-gen Omega™	Proprietary ingredient providing Omega-3/-6/-9, vegan Available as oil & powder	Solvent free
Ultra Caro-gen™	Natural mixed carotenoids Available as oil & powder	
Lycopene	Lycopene from blakeslea trispora Available as oil & CWD-powder	EU Novel Food
Astaxanthin	Astaxanthin from haematococcus pluvialis Available as oil & powder	Technical Dossier
Ginger Extract	Standardised Ginger Root Extract Available as powder, beadlet & oleoresin	Solvent free Pesticide compliant
MCT Powder	Medium Chained Triglycerides (Coconut)	Solvent free
Bacopa	Bacopa monnieri extract 40 % bacosides	USP
ThymoPure	Nigella Sativa extracts, standardized to Thymoquinone	Solvent-free, non-GMO

- Vegetarian, non-GMO
- Suitable for softgel & hardgel capsule, tablets & colouring

Preservatives

Ueno Fine Chemicals Industry

Parabens

Product	Description	Grade
Methylparaben	Methylparaben for preservation	Ph.Eur., USP, BP, NF REACH
Ethylparaben	Ethylparaben for preservation	Ph.Eur., USP, BP, NF REACH
Propylparaben	Propylparaben for preservation	Ph.Eur., USP, BP, NF REACH

Rasula Pharmaceuticals and Fine Chemicals

Paraben Salts

Product	Description	Grade
Sodium Methylparaben	Sodium Methylparaben for preservation	Ph. Eur. REACH
Sodium Ethylparaben	Sodium Ethylparaben for preservation	Ph.Eur.
Sodium Propylparaben	Sodium Propylparaben for preservation	Ph. Eur. REACH

Contact

Dr. Andreas Lekebusch

Business Manager Healthcare
Tel: +49 40 32008-612
a.lekebusch@biesterfeld.com

Monja Lampert

Product Manager Pharma
Tel: +49 40 32008-601
m.lampert@biesterfeld.com

Nina Held

Product Manager Pharma
Tel: +49 40 32008-620
n.held@biesterfeld.com

Jan Knudsen

Product Manager Pharma (APIs)
Tel: +49 40 32008-434
j.knudsen@biesterfeld.com

I have read the [privacy policy](#).

Imprint

Published by:

Biesterfeld Spezialchemie GmbH – HealthCare
Ferdinandstrasse 41
20095 Hamburg

Phone: +49 40 32008-0
Fax: +49 40 32008-696
healthcare@biesterfeld.com
www.biesterfeld.com

Registered Office: Hamburg, Commercial Register: AG Hamburg, HRB 66970, VAT-No. DE 196 930 661
Managing Directors: Peter Wilkes

Our raw material information, data and graphics were obtained from the records of our raw material suppliers.
Local availability of products might differ from country to country.

Disclaimer:

We shall not be liable for the suitability of the goods for the purpose intended by Customer, unless the achievement of a certain outcome of the utilization was expressly incorporated into the contract. Our advice, information or recommendations regarding application shall be provided to the best of our knowledge. As the actual application is beyond our scope of influence, and as the circumstances of such application are not completely foreseeable, written and verbal indications, suggestions etc. can only be provided on a non-binding basis. They shall in particular not release Customer from the obligation to examine our products and goods for their suitability with regard to the intended processes and purposes.



Biesterfeld Spezialchemie GmbH

Ferdinandstrasse 41
20095 Hamburg
Phone: +49 40 32008-0
Fax: +49 40 32008-696
www.biesterfeld.com