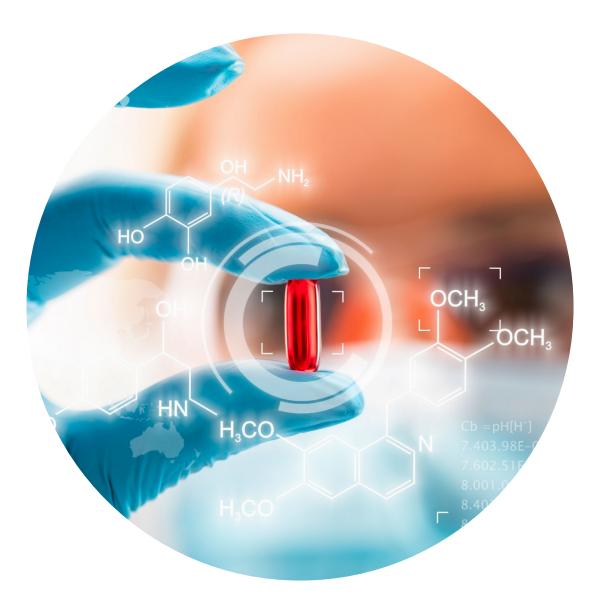
# Pharmacy and fine chemistry

Solutions for pharmaceutical formulations.







# Pharmacy and fine chemistry

In Barcelonesa Chemicals, after more than 80 years of experience, we have developed important skills and knowledge to help fine chemical and pharmaceutical producers to make improvements towards their APIs (Active Pharmaceutical Ingredients) synthesis, as well as their final pharmaceutical formulations.

We can supply our customers not only with the raw materials they currently need for their processes, but also with new and innovative chemical products of the highest quality standards. We know the importance of regulatory documentation and certificates in the pharmaceutical industry, so we ensure that our sources are reliable and comply with all applicable quality standards and pharmacopoeias.

We make customers more competitive by saving costs, time and effort in their raw material sourcing process.



# Wide range of products

We have a broad portfolio of basic and advanced intermediate chemicals. We also have a wide network of contacts and manufacturers around the world.



#### Regulatory technical support

We select sources that are GMP. We approve the manufacturers we work with, making sure they have all the regulatory documentation and comply with good manufacturing practices and the different pharmacopoeias.



#### We are looking for new products

We help you find the new raw materials you need for your processes, with the required quality and in the most competitive situation possible. We save your technical and management departments time and effort.



## Logistics and distribution

We deliver your chemical products with the maximum quality guarantee, when you need them and adapting to the agreed delivery conditions.

## **Essential products**

| Products              | Description   |
|-----------------------|---|
| Acetic Acid           | Appearance: Clear, colorless liquid with a pungent odor   |
|                       | Grade: Farma  |
|                       | Packaging: Isotank or FCL (IBC, drum or canister)   |
|                       | Origin: Various<br>Concentrations: Glacial and Dissolutions (the most common is 80%)  |
|                       |   |
|                       | <b>Certificate:</b> Pharma: complies with Eur. Pharm. 8th Ed.<br><b>Uses and applications:</b> used in the manufacture of serums for hemodialysis, cosmetic products, |
|                       | essences, etc.  |
| Glycerin USP          | Appearance: Colorless or almost colorless viscous liquid  |
| 2                     | Grade: Pharmaceutical and Food  |
|                       | Packaging: 250 kg drums and 1200 kg ibcs  |
|                       | Origin: European  |
|                       | Certificate: Halal and Kosher   |
|                       | Uses and applications:  |
|                       | <ul> <li>Drug manufacturing (anesthetics, tablets, dragees, capsules)</li> </ul>  |
|                       | Syrup manufacturing (as excipient)  |
|                       | As antiseptic to prevent wound infections   |
|                       | <ul> <li>As inhibitor of enzymatic changes during fermentation of ointments, pastes or creams</li> </ul>  |
|                       | • As solvent of iodine, bromine, phenol, thymol, tannins, alkaloids and mercuric chloride   |
|                       | <ul> <li>It is used for lubricants and ophthalmic moisturizers</li> <li>Suppository manufacturing</li> </ul>  |
|                       | Suppository manufacturing   |
| Tetrahydrofuran (THF) | Appearance: Clear and colorless liquid  |
|                       | Grade: Pharma   |
|                       | Packaging: 180Kg drums or in tanker   |
|                       | Origin: European and/or Asian   |
|                       | Certificate:  |
|                       | <ul> <li>Declaration of residual solvents according to ICH Q3 requirements</li> </ul>   |
|                       | Declaration of elemental impurities according to ICH Q3D requirements   |
|                       | Volatile organic impurities   |
|                       | Packaging declaration (attach migration analysis)   |
|                       | • TSE + BSE   |
|                       | BRC/IFS/FSSC ISO 22000 / GMP Certificates   |
|                       | Animal testing certificate  |
|                       | <b>Uses and applications:</b> when the product is of high purity it is used as a solvent in organic synthesis in the fine chemicals and pharmaceutical industry       |
| Acetonitrile          | Appearance: Clear and colorless liquid  |
|                       | Grade: Pharma and ultrapure HPLC grade  |
|                       | Packaging: 180Kg drums or in tanker   |
|                       | Origin: European and/or Asian   |
|                       | Certificate:  |
|                       | <ul> <li>Declaration of residual solvents according to ICH Q3 requirements</li> </ul>   |
|                       | <ul> <li>Declaration of elemental impurities according to ICH Q3D requirements</li> </ul>   |
|                       | Volatile organic impurities   |
|                       | <ul> <li>Packaging declaration (attach migration analysis)</li> </ul>   |
|                       | <ul> <li>TSE + BSE</li> </ul>   |
|                       | BRC/IFS/FSSC ISO 22000 / GMP Certificates   |
|                       | Animal testing certificate  |
|                       | Uses and applications: Used as a solvent in organic synthesis in the fine chemicals and   |
|                       | pharmaceutical industry and as a carrier in liquid chromatography   |
|                       |   |

| 2-Methyl-Tetrahydrofuran | Lower water content and higher boiling point than THF  |  |  |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|--|--|
| (2-me-THF)               | Appearance: Clear and colorless liquid   |  |  |  |  |  |  |  |  |
|                          | Grade: Pharma  |  |  |  |  |  |  |  |  |
|                          | Packaging: 180Kg drums or in tanker  |  |  |  |  |  |  |  |  |
|                          | Origin: European and/or Asian  |  |  |  |  |  |  |  |  |
|                          | Certificate:   |  |  |  |  |  |  |  |  |
|                          | <ul> <li>Declaration of residual solvents according to ICH Q3 requirements</li> </ul>  |  |  |  |  |  |  |  |  |
|                          | Declaration of elemental impurities according to ICH Q3D requirements  |  |  |  |  |  |  |  |  |
|                          | Volatile organic impurities  |  |  |  |  |  |  |  |  |
|                          | Packaging declaration (attach migration analysis)  |  |  |  |  |  |  |  |  |
|                          | • TSE + BSE  |  |  |  |  |  |  |  |  |
|                          | BRC/IFS/FSSC ISO 22000 / GMP Certificates  |  |  |  |  |  |  |  |  |
|                          | Animal testing certificate   |  |  |  |  |  |  |  |  |
|                          | Uses and applications: Its physical and chemical properties are ideal for synthesis with<br>organometallics, organocatalysis and biotransformations or processing of lignocellulosic materials |  |  |  |  |  |  |  |  |

#### Can't find the product you're looking for?

We love challenges and exploring new horizons. Tell us what product you need and we will find it for you.





# Excipients for solid / semi-solid dosage forms

| N.º Case   | Product name  | Pharmacopoeia              | D/C | LI | AC | AR | LU | ApH | PL | со | AN | T/E | HU | AE | BP |
|------------|---|----------------------------|-----|----|----|----|----|-----|----|----|----|-----|----|----|----|
| 8001-54-5  | 50 % benzalkonium chloride solution                     | USP-NF, Ph.Eur, IP         |     |    |    |    |    |     |    | •  |    |     |    |    |    |
| 67-64-1    | Acetone   | USP-NF, Ph.Eur, BP         |     |    |    | •  |    |     |    | •  |    |     |    |    |    |
| 77-92-9    | Anhydrous citric acid                                   | USP, Ph.Eur, IP            |     |    |    |    |    | •   |    | •  |    |     |    |    |    |
| 127-09-3   | Anhydrous sodium acetate                                | USP                        |     |    |    |    |    | •   |    | •  |    |     |    |    |    |
| 497-19-8   | Anhydrous sodium<br>carbonate                           | USP-NF,BP,IP               |     |    |    |    |    | •   |    |    |    |     |    |    |    |
| 121-54-0   | Benzethonium chloride                                   | USP, Ph.Eur                |     |    |    |    |    |     |    | •  |    |     |    |    |    |
| 65-85-0    | Benzoic acid  | USP, Ph.Eur, IP            |     |    |    |    |    |     |    | •  |    |     |    |    |    |
| 100-51-6   | Benzyl alcohol  | USP-NF, BP, IP             |     |    |    |    |    |     |    | •  |    |     |    |    |    |
| 120-51-4   | Benzyl benzoate   | USP, Ph.Eur, BP, IP        |     |    |    |    |    |     | •  |    |    |     |    | •  |    |
| 25013-16-5 | Butylated hydroxyanisole                                | USP-NF, Ph.Eur             |     |    |    |    |    |     |    |    | •  |     |    |    |    |
| 62-54-4    | Calcium acetate   | USP                        |     |    |    |    |    |     |    | •  |    |     |    |    |    |
| 471-34-1   | Calcium carbonate                                       | USP, Ph.Eur, IP, BP        | •   |    |    |    |    | •   |    |    |    | •   |    |    |    |
| 5949-29-1  | Citric acid monohydrate                                 | USP, Ph.Eur, IP, BP        |     |    |    |    |    | •   |    |    | •  |     |    |    |    |
| 60-27-5    | Creatinine  | USP-NF                     |     |    |    |    |    |     |    |    |    |     |    |    |    |
| 84-74-2    | Dibutyl phthalate                                       | USP-NF, Ph.Eur,<br>BP, IP  |     |    |    | •  |    |     |    |    |    |     |    |    |    |
| 111-42-2   | Diethanolamine  | USP-NF, IP                 |     |    |    |    |    | •   |    |    |    |     |    | •  |    |
| 84-66-2    | Diethyl phthalate                                       | USP, Ph.Eur, IP            |     |    |    | •  |    |     | •  |    |    |     |    |    |    |
| 7558-80-7  | Dihydrogen or anhydrous<br>sodium phosphate             | USP, IP                    |     |    |    |    |    | •   |    |    |    |     |    |    |    |
| 5306-85-4  | Dimethyl isosorbide                                     | Excipient grade            |     |    |    |    |    |     |    |    |    | •   |    |    |    |
| 577-11-7   | Dioctyl sulfosuccinate<br>sodium (DOSS) (Monoxal<br>OT) | USP, Ph.Eur                |     |    |    |    |    |     |    |    |    | •   |    |    |    |
| 6915-15-7  | DL-malic acid   | USP-NF, Ph.Eur, IP         |     |    |    |    |    | ٠   |    |    | ٠  |     |    |    |    |
| 50-00-0    | Formaldehyde  | USP, Ph.Eur, BP            |     |    |    |    |    |     |    | ٠  | •  |     |    |    |    |
| 110-17-8   | Fumaric acid  | USP-NF, IP                 |     |    |    |    |    | •   |    |    | •  |     |    |    |    |
| 56-81-5    | Glycerin  | USP, Ph.Eur, JP,<br>BP, IP |     |    |    |    |    |     | •  | •  |    |     |    | •  |    |
| 56-81-5    | Glycerol 85   | Ph.Eur                     |     |    |    |    |    |     |    |    |    |     |    | •  |    |
| 56-40-6    | Glycine   | USP, Ph.Eur, IP            |     |    | •  |    |    | •   |    |    |    |     |    |    |    |
| 107-41-5   | Hexylene glycol   | USP-NF                     |     |    |    |    |    |     |    |    |    | •   | •  | •  |    |
| 128-37-0   | Hydroxytoluene buty- side                               | USP, Ph.Eur, IP            |     |    |    |    |    |     |    |    | •  |     |    |    |    |
| 67-63-0    | Isopropyl alcohol (IPA)                                 | USP, Ph.Eur, JP,<br>BP,IP  |     |    |    |    |    |     |    | •  |    |     |    |    |    |
| 50-81-7    | L(+)ascorbic acid                                       | USP, Ph.Eur, IP            |     |    |    |    |    |     |    |    | •  |     |    |    |    |

D/C: Diluents, Charges / LU: Lubricants / AN: Antioxidants / BP: Ointment base / LI: Binders / A pH: PH adjustment / T/E: Surfactants, Stabilizers AC: Bulking agents / PL: Plasticizer / HU: Moisturizers / AR: Coating agents / CO: Preservatives / AE: Emulsifying agents

| 502-15       Lactioned       USR Ph.Eu, Pl   | N.º Case   | Product name                | Pharmacopoeia       | D/C | LI | AC | AR | LU | A pH | PL | со | AN | T/E | HU | AE | BP |
|--|------------|-----------------------------|---------------------|-----|----|----|----|----|------|----|----|----|-----|----|----|----|
| 101-06-7       Meleic acid       USP-NF, Ehr, Eur, P       •         069-06-8       Mannitol       USP, PN, Eur, BP       •         90-27-5       Monothioglycorol       USP, NF, IP       •         90-27-6       Monothioglycorol       USP, NF, IP       •         90-27-5       Monothioglycorol       USP, NF, IP       •         90-27-6       Monothioglycorol       USP, NF, IP, Eur, IP       •         90-27-6       Phonol       USP, NF, IP, Eur, IP       •         122-90-6       Phonylethylachold       USP, NF, Ph, Eur, IP       •         223098       Phonylethylachold       USP, NF, Ph, Eur, IP       •         7844-38-2       Phosylethylachold       USP, NF, Ph, Eur, IP       •         7854-38-2       Phosylethylachold       USP, NF, IP, Eur, IP       •         7854-38-2       Phosylethylachold       USP, NE, U, IP       •         7854-30       Opolysthylang lyloch 200       USP, NE, IP, Eur, IP       •         7854-30       Phosylethylachold       USP, Ph.Eur, IP       •         7854-30       Sodium bacatach thylathe       •       •         8613-90-4       Sodium bacatach thylathe       •       •         8613-90-5       Sodium bacatach  | 50-21-5    | Lactic acid                 | USP, Ph.Eur, BP, IP |     |    |    |    |    |      |    | ٠  |    |     |    |    |    |
| BP-B5-8         Manntol         USP, PhEur, PP         ·           69-85-9         Maran Coread         USP, PhEur, PP         ·         ·           69-27-50         Monohlog/coread         USP, PhEur, PP         ·         ·         ·           722-50-4         N=methyl-2-pyrnolidos         USP, PhEur, PP         ·         ·         ·         ·           722-50-4         Phenoyethanol         USP, PhEur, PP         ·   | 1309-48-4  | Light magnesium oxide       | USP, Ph.Eur, IP     |     | ٠  |    |    |    |      |    |    |    |     |    | ٠  |    |
| 108-39-4       Meta - Cresol       USP, NF, IP       .         96-27-5       Monothioglycerol       USP-NF, IP       .       .         872-50-4       N-methyl-2-pyrraldone       USP, NF, IP       .       .         108-65-2       Phenol       USP, NF, IP       .       .         122-99-6       Phenolyethylacol       JSP, PF, Eur, IP       .       .         2221918       Phenytherourie nitrate       USP-NF, Ph.Eur, IP       .       .         25822-68-3       Polyethylene glycol 400       USP-NF, Ph.Eur, IP       .       .         25832-68-3       Polyethylene glycol 400       USP, NF, Ehr, IP       .       .       .         7778-77-0       Pottasalum ditylorgen<br>solicul motifate       Ph.Eur, IP       .       .       .         66-72-7       Salicylic acid       USP, Ph.Eur, BP, IP       .       .       .       .         124-65-8       Sodium bicratonate       USP, Ph.Eur, IP, BP       .       .       .       .         124-25-0       Sodium bicratonate       USP, Ph.Eur, IP, BP       .       .       .       .         124-25-8       Sodium bicratonate       USP, Ph.Eur, IP, BP       .       .       .       .       . <td>110-16-7</td> <td>Maleic acid</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   | 110-16-7   | Maleic acid                 |                     |     |    |    |    |    | •    |    |    |    |     |    |    |    |
| 98-27-5       Monothiogiyeerd       USP-NF, IP       •         872-60-4       N-methyl-2-pyrrolidon       USP-NF, IP, Eur, IP       •         108-95-2       Phenol       USP, IP, Eur, IP       •         122-99-6       Phenolyethyl alcohol       USP, IP, Eur, IP       •         60-12-8       Phenolyethyl alcohol       USP, NF, IP, Eur, IP       •         22996       Phenylethyl alcohol       USP-NF, Ph. Eur, IP       •         7864-39-2       Phosphoria edit USP-NF, Ph. Eur, IP       •       •         7864-39-2       Phosphoria edit USP-NF, Ph. Eur, IP       •       •         787-70       Potassium ditydrogen       USP, Ph. Eur, IP       •       •         778-77-0       Potassium ditydrogen       USP, Ph. Eur, IP       •       •         69-72-7       Sadium acetate tritydrate       USP, Ph. Eur, IP, IP       •       •         69-72-7       Sadium benzoate       USP, Ph. Eur, IP, IP       •       •         69-72-7       Sadium benzoate       USP, Ph. Eur, IP, IP       •       •         69-72-7       Sadium benzoate       USP, Ph. Eur, IP, IP       •       •         7841-65       Sodium benzoate       USP, Ph. Eur, IP, IP       •       •   | 69-65-8    | Mannitol                    | USP, Ph.Eur,BP, IP  | •   |    |    |    |    |      | •  |    |    |     |    |    |    |
| Control         Nrmethyl-2-pyrrolidom         USP-NF, Ph.Eur, IP         •           108-86-2         Phenol         USP, Ph.Eur, IP         •           80-12-8         Phenoylethyl alcohol         USP, NF, Ph.Eur, IP         •           2229198         Phenoylethyl alcohol         USP, NF, Ph.Eur, IP         •           2229198         Phenoylethyl alcohol         USP, NF, Ph.Eur, IP         •           7864-38-2         Phosphoria call         USP-NF, Ph.Eur, IP         •           25322-86-3         Polyethylene glycol 400         USP, NF, Ph.Eur, IP         •           25434-86-2         Phosphoria call         USP, NF, Ph.Eur, IP         •           1543446         Polyethylene glycol 400         USP, NF, Eur, IP, IP         •           1543446         Polyethylene glycol 400         USP, NF, Eur, IP, IP         •           1543446         Polyethylene glycol 400         USP, NF, Eur, IP, IP         •           1543446         Polyethylene glycol 400         USP, NF, Eur, IP, IP         •           154347         Sodium blattifte         USP, NF, Eur, IP, IP         •           1543490-5         Sodium albufdragen<br>dithydrate         USP, NF, Eur, IP, IP         •           154474-5         Sodium albufdragen<br>dithydrate         USP, NF, Ph  | 108-39-4   | Meta - Cresol               | USP, Ph.Eur, BP     |     |    |    |    |    |      |    | •  |    |     |    |    |    |
| 103-95-2       Phonol       USP, Ph.Eur, IP       •         122-99-6       Phenylethyl alcohol       USP, NF, Ph.Eur, IP       •         2239198       Phenylmercutio nitrate       USP-NF, Ph.Eur, IP       •         2832-88-3       Polyethylen eglycol 400       USP-NF, Ph.Eur, IP       •         153446       Potassium ditrate       Ph.Eur, IP       •         153447       Potassium ditrate       Ph.Eur, IP       •         153448       Potassium ditrate       VSP. NF, Ph.Eur, IP       •       •         153448       Potassium ditrate       USP, Ph.Eur, IP       •       •         153448       Potassium ditrate       USP, Ph.Eur, IP       •       •       •         15449       Potassium ditrate       USP, Ph.Eur, IP       •       •       •         15479       Sadium acetate tritrydrate       USP, Ph.Eur, IP, BP       •       •       •         15479       Sodium blearbonate       USP, Ph.Eur, IP, BP       •       •       •         15479       Sodium blearbonate       USP, Ph.Eur, IP, BP       •       •       •         15479       Sodium blearbonate       USP, NF, Ph.Eur, IP       •       •       •         15479       Sodium meta   | 96-27-5    | Monothioglycerol            | USP-NF, IP          |     |    |    |    |    |      |    | •  | •  |     |    |    |    |
| 12-29-6-6       Phenoyvethanol       IP       •         60-12-8       Phenylethyl alcohol       USP, NF, Ph.Eur, IP       •         2220198       Phosphoric acid       USP-NF, Ph.Eur, IP       •         28322-68-3       Polyethylen eglycol 400       USP. NF, Ph.Eur, IP       •         153446       Potassium ditydrogen<br>orthophosphaten       USP, Ph.Eur, IP       •         7778-77-0       Potassium ditydrogen<br>orthophosphaten       USP, Ph.Eur, IP       •         697-27       Salcylic acid       USP, NF, En, Eur, IP       •         6131-00-4       Sodium acetate trilydrogen<br>orthophosphaten       USP, Ph.Eur, IP       •         6431-90-5       Sodium benzoaten       USP, NF, En, Eur, IP       •       •         7631-90-5       Sodium benzoaten       USP, NF, En, Eur, IP       •       •         7631-90-5       Sodium benzoaten       USP, NF, En, Eur, IP       •       •         7631-90-5       Sodium cheatoden USP, NF, En, Eur, IP       •       •       •         7631-90-5       Sodium cheatoden USP, NF, En, Eur, IP       •       •       •         7631-90-6       Sodium cheatoden USP-NF, Ph.Eur, IP       •       •       •         7631-90-7       Sodium chetadelfte       USP, NF, En, Eur, IP   | 872-50-4   | N-methyl-2-pyrrolidone      | USP-NF, Ph.Eur      |     |    | •  |    |    |      |    |    |    |     |    | •  |    |
| 60-12-8       Phenylethyl alcohol       USP, IP       •         2229198       Phenylmercuric nitrate       USP-NF, Ph.Eur, IP       •       •         7664-38-2       Phosphoric acid       USP-NF, Ph.Eur, IP       •       •         15322-68-3       Polysethylene glycol 400       USP-NF, Ph.Eur       •       •         153446       Potassium citrate       Ph.Eur, IP       •       •         7778-77-0       Potassium citrate       USP, Ph.Eur, IP       •       •         667-27       Salicylia acid       USP, Ph.Eur, IP       •       •         613-90-4       Sodium acetate trihydrate       USP, Ph.Eur, IP, IP       •       •         613-90-4       Sodium biorazotate       USP, Ph.Eur, IP, BP       •       •         7831-90-5       Sodium biorazotate       USP, Ph.Eur, IP, BP       •       •         7831-90-5       Sodium chioratoonate       USP, Ph.Eur, IP, BP       •       •         7831-90-5       Sodium chioratoonate       USP, Ph.Eur, IP, BP       •       •         7831-90-5       Sodium chioratoonate       USP, NF, Ehr, IP, BP       •       •         7847-45       Sodium chioratoonate       USP, NF, Ehr, IP, IP       •       •         7847   | 108-95-2   | Phenol                      | USP, Ph.Eur, IP     |     |    |    |    |    |      |    | •  |    |     |    |    |    |
| 229198       Phenylmercurio nitrate       USP-NF, Ph.Eur, IP       •         7664-38-2       Phosphoric acid       USP-NF, Ph.Eur, IP       •         15322-68-3       Polyethylene glycol 400       USP-NF, Ph.Eur, IP       •         1534146       Potassium ditrydrogen orthophosphate       USP, Ph.Eur, IP       •         7778-77-0       Potassium ditrydrogen orthophosphate       USP, Ph.Eur, IP, IP       •         89-72-7       Salicylic acid       USP, Ph.Eur, IP, IP       •       •         611-90-4       Sodium acetate trihydrau       USP, Ph.Eur, IP, IP       •       •         7631-90-5       Sodium beizarbonate       USP, Ph.Eur, IP, IP       •       •         7631-90-5       Sodium bicarbonate       USP, Ph.Eur, IP, IP       •       •         7631-90-5       Sodium bicarbonate       USP, Ph.Eur, IP, IP       •       •         7647-45       Sodium chloride       USP, Ph.Eur, IP, IP       •       •         7647-45       Sodium chloride       USP, NF, Ph.Eur, IP       •       •         7647-45       Sodium chloride       USP, NF, Ph.Eur, IP       •       •         7647-45       Sodium chloride       USP, NF, Ph.Eur, IP       •       •         7648-57-4       Socium  | 122-99-6   | Phenoxyethanol              | IP                  |     |    |    |    |    |      |    | •  |    |     |    |    |    |
| 7864-38-2       Phosphoric acid       USP-NF, Ph.Eur, IP       Image: Control of the second of the | 60-12-8    | Phenylethyl alcohol         | USP, IP             |     |    |    |    |    |      |    | •  |    |     |    |    |    |
| 25322-88-3       Polysthylene glycol 400       USP-NF, Ph.Eur       •       •       •         1534146       Potassium dityate       Ph.Eur, IP       •       •         7778-77-0       Potassium dityate       USP, Ph.Eur, RP       •       •       •         67-55-6       Propylene glycol       USP, Ph.Eur, RP       •       •       •       •         69-72-7       Salcylic acid       USP, Ph.Eur, IP       •  | 2229198    | Phenylmercuric nitrate      | USP-NF, Ph.Eur, IP  |     |    |    |    |    |      |    | •  |    |     |    |    |    |
| B34146Petassium dihydrogen<br>orthophosphateUSP, Ph.Eur, IP•7778-77-0Potassium dihydrogen<br>orthophosphateUSP, Ph.Eur, BP, IP•••  | 7664-38-2  | Phosphoric acid             | USP-NF, Ph.Eur, IP  |     |    |    |    |    | •    |    |    |    |     |    |    |    |
| 7778-7-0Potassium dihydrogen<br>orthophosphateUSP, Ph. Eur, BP, IP•57-55-6Propylene glycolUSP, Ph. Eur, BP, IP•••60-72-7Salicylic acidUSP, Ph. Eur, IP, BP•••6131-90-4Sodium acetate trihydrateUSP, Ph. Eur, IP, BP•••532-32-1Sodium banzoateUSP, Ph. Eur, IP, BP•••144-55-8Sodium biolafteJP•••7831-90-5Sodium biolafteJP•••7847-44-5Sodium chloridoUSP, Ph. Eur, IP, BP•••7847-45Sodium dihydrogen<br>dihydrateUSP, Ph. Eur, IP, BP•••7847-45Sodium metalsiuffteUSP, Ph. Eur, IP, BP•••7847-45Sodium metalsiuffteUSP, Ph. Eur, IP, BP•••7847-45Sodium metalsiuffteUSP, NF, Ph. Eur, IP•••7847-45Sodium metalsiuffteUSP, NF, Ph. Eur, IP•••7847-45Sodium metalsiuffteUSP, NF, Ph. Eur, IP••••7847-45Sodium metalsiuffteUSP, NF, Ph. Eur, IP••<  | 25322-68-3 | Polyethylene glycol 400     | USP-NF, Ph.Eur      |     | •  | •  |    | •  | •    | •  |    |    |     |    |    | •  |
| 57-56-6       Propylene glycol       USP, Ph.Eur, RP, IP       •       •       •         69-72-7       Salicylic acid       USP, Ph.Eur, IP       •       •       •         6131-90-4       Sodium acetate trihydrau       USP, Ph.Eur, IP, BP       •       •       •         532-32-1       Sodium blearboate       USP, Ph.Eur, IP, BP       •       •       •       •         144-56-8       Sodium blearboatet       USP, Ph.Eur, IP, BP       •  | 1534146    | Potassium citrate           | Ph.Eur, IP          |     |    |    |    |    |      | •  |    |    |     |    |    |    |
| 69-72-7Salicylic acidUSP, Ph.Eur, IP•6131-90-4Sodium acetate trilhydrateUSP, Ph.Eur, IP, BP•532-32-1Sodium benzoateUSP, Ph.Eur, IP, BP•144-55-8Sodium bicarbonateUSP, Ph.Eur, IP, BP•7631-90-5Sodium bicarbonateUSP, Ph.Eur, IP, BP•7647-14-5Sodium chlorideUSP, Ph.Eur, IP, BP•7647-74Sodium metabisulfiteUSP-NF, Ph.Eur, IP•7648-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•7648-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•7648-57-4Sodium cacidUSP-NF, Ph.Eur, IP•7648-57-4Succinic acidUSP-NF, Ph.Eur, IP•7648-57-4Succinic acidUSP-NF, Ph.Eur, IP•7649-54TriacetinUSP, Ph.Eur, IP•7649-54TriacetinUSP, Ph.Eur, IP•7649-54TriacetinUSP, Ph.Eur, IP•77-93-0Triethyl chtrateUSP, Ph.Eur, IP•77-93-0Triethyl chtrateUSP, Ph.Eur, IP•7645601Trisodium citrate dihydrateUSP, Ph.Eur, IP•7645601Triethyl chtrateUSP, Ph.Eur, IP•7645601Trie   | 7778-77-0  |                             | USP, Ph.Eur         |     |    |    |    |    | •    |    |    |    |     |    |    |    |
| 6131-90-4Sodium acetate trihydrateUSP, Ph.Eur, JP, BP••532-32-1Sodium bezoateUSP, Ph.Eur, P, BP••144-55-8Sodium bisulfiteUSP, Ph.Eur, IP, BP••7631-90-5Sodium bisulfiteJP••7647-14-5Sodium chlorideUSP, Ph.Eur, IP, BP••18472-35-0Sodium metabisulfiteUSP, Ph.Eur, IP, BP••7681-67-4Sodium metabisulfiteUSP, Ph.Eur, IP, BP••7681-67-4Sodium metabisulfiteUSP, NF, Ph.Eur, IP••7681-67-4Sodium metabisulfiteUSP, NF, Ph.Eur, IP••7691-64Sorbic acidUSP, NF, Ph.Eur, IP••710-75-6Succinic acidUSP, NF, Ph.Eur, IP••710-75-6Succinic acidUSP, NF, Ph.Eur, IP••710-75-6Succinic acidUSP, NF, Ph.Eur, IP••710-75-6TiracetinUSP, Ph.Eur, IP••710-75-61TiracetinUSP, Ph.Eur, IP••710-75-761TriacetinUSP, NF, Ph.Eur, IP••710-75-76Triedum citrate dihydrateUSP, NF, Ph.Eur, IP••710-77-76Triedum citrate dihyd  | 57-55-6    | Propylene glycol            | USP, Ph.Eur, BP, IP |     |    | •  |    | •  | •    | •  |    |    |     |    |    | •  |
| 532-32-1Sodium benzoateUSP. NF, Ph.Eur,<br>BP, IP•144-55-8Sodium biearbonateUSP, Ph.Eur, IP, BP•7631-90-5Sodium bieulfiteJP•7647-14-5Sodium chlorideUSP, Ph.Eur, IP, BP•18472-35-0Sodium metableulfiteUSP, Ph.Eur, IP, BP•7681-57-4Sodium metableulfiteUSP-NF, Ph.Eur, IP•10-44-1Sorbic acidUSP-NF, Ph.Eur, IP•10-15-6Succinic acidUSP-NF, Ph.Eur, IP•87-69-4Tartaric acidUSP, Ph.Eur, IP•102-76-1TriacetinUSP, Ph.Eur, IP•102-76-1TriacetinUSP, Ph.Eur, IP•102-76-1TriacetinUSP, Ph.Eur, IP•1045801Trisodium citrate dihydrateUSP-NF, Ph.Eur, IP•102-71-6Trolamine (triethanolamine)USP-NF, Ph.Eur, IP•102-71-6Triacy USP-NF, Ph.Eur, IP••102-71-6Triacy USP-NF, Ph.Eur, IP••102-71-6Triacy USP-NF, Ph.Eur, IP••102-71-6Triacy USP-NF, Ph.Eur, IP••102-71-6Triacy USP-NF, Ph.Eur, IP••102-71-6UreaUSP-NF, Ph.Eur, IP•102-71-6UreaUSP-NF, Ph.Eur, IP•102-71-6UreaUSP-NF, Ph.Eur, IP•102-71-6UreaUSP-NF, Ph.Eur, IP•102-71-6UreaUSP, Ph.Eur, IP•102-71-6UreaUSP, Ph.  | 69-72-7    | Salicylic acid              | USP, Ph.Eur, IP     |     |    |    |    |    |      |    | •  |    |     |    |    |    |
| BP, IP144-55-8Sodium bicarbonateUSP, Ph.Eur, IP, BP•7631-90-5Sodium bisulfiteJP•7647-14-5Sodium chlorideUSP, Ph.Eur, IP, BP•13472-35-0Sodium metabisulfiteUSP, Ph.Eur, IP, BP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•10-44-1Sorbic acidUSP-NF, Ph.Eur, IP•10-15-6Succinic acidUSP-NF, Ph.Eur, IP•10-16-6Succinic acidUSP, Ph.Eur, IP•10-276-1TriacetinUSP, Ph.Eur, BP, IP•102-76-1TriacetinUSP, Ph.Eur, BP, IP•102-76-1TriacetinUSP, Ph.Eur, IP•11545801Triodum citrate dihydrateUSP, NF, Ph.Eur, IP•11645801Triodum citrate dihydrateUSP, NF, Ph.Eur, IP•116478UraUSP, NF, Ph.Eur, IP••116478UraUSP, NF, Ph.Eur, IP••116478UraUS   | 6131-90-4  | Sodium acetate trihydrate   | USP, Ph.Eur ,IP, BP |     |    |    |    | •  | •    |    | •  |    |     |    |    |    |
| 7631-90-5Sodium bisulfiteJP• • •7647-14-5Sodium chlorideUSP, Ph.Eur, IP, BP•13472-35-0Sodium dihydrogen<br>or sodium phosphate<br>dihydrateUSP, Ph.Eur, IP, BP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•110-44-1Sorbic acidUSP-NF, Ph.Eur, IP•110-44-1Sorbic acidUSP-NF, Ph.Eur, IP•110-45-6Succinic acidUSP-NF, Ph.Eur, IP•110-46-1Succinic acidUSP-NF, Ph.Eur, IP•110-47Tartaric acidUSP-NF, Ph.Eur, IP•110-46-1Succinic acidUSP, Ph.Eur, IP•110-47TriacetinUSP, Ph.Eur, IP•110-276-1TriacetinUSP, Ph.Eur•110-276-1TriacetinUSP, Ph.Eur, IP•110-276-1TriacetinUSP, Ph.Eur, IP•110-276-1Trisodium citrate dihydrateUSP, Ph.Eur, IP•110-276-1Trisodium citrate dihydrateUSP, Ph.Eur, IP•110-276-1Trisodium citrate dihydrateUSP, Ph.Eur, IP•110-276-1Trisodium citrate dihydrateUSP, Ph.Eur, IP•110-271-6Trolamine (triethanolamine)USP, Ph.Eur, IP•110-271-6UreaUSP, Ph.Eur, IP••110-271-6UreaUSP, Ph.Eur, IP••110-271-6UreaUSP, Ph.Eur, IP••1   | 532-32-1   | Sodium benzoate             |                     |     |    |    |    | •  |      |    | •  |    |     |    |    |    |
| 7647-14-5Sodium chlorideUSP, Ph.Eur, IP, BP13472-35-0Sodium dihydrogen<br>or sodium phosphate<br>dihydrateUSP, Ph.Eur, IP, BP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•710-44-1Sorbic acidUSP-NF, Ph.Eur, IP•710-15-6Succinic acidUSP-NF, Ph.Eur, IP•87-69-4Tartaric acidUSP-NF, Ph.Eur, IP•54-64-8ThimerosalUSP, Ph.Eur, BP, IP•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•77-93-0Triethyl citrateUSP, Ph.Eur, IP•1545801Trisodium citrate dihydrateUSP, Ph.Eur, IP•102-71-6Trolamine (triethanolamine)USP, Ph.Eur, IP•102-71-6UreaUSP, Ph.Eur, IP•   | 144-55-8   | Sodium bicarbonate          | USP, Ph.Eur, IP, BP |     |    |    |    |    | •    |    | •  |    |     |    |    |    |
| 13472-35-0Sodium dihydrogen<br>or sodium phosphate<br>dihydrateUSP, Ph.Eur, IP, BP•7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•110-44-1Sorbic acidUSP-NF, Ph.Eur, BP, IP•110-44-1Sorbic acidUSP-NF, Ph.Eur, RD•110-15-6Succinic acidUSP-NF, Ph.Eur, IP•87-69-4Tartaric acidUSP-NF, Ph.Eur, IP•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•1545801Trisodium citrate dihydrateUSP, Ph.Eur, IP•102-71-6Trolamine (triethanolamine)USP, Ph.Eur, IP•102-71-6UreaUSP, Ph.Eur, IP•   | 7631-90-5  | Sodium bisulfite            | JP                  |     |    |    |    |    |      |    | •  | •  |     |    |    |    |
| or sodium phosphate<br>dihydrate7681-57-4Sodium metabisulfiteUSP-NF, Ph.Eur, IP•110-44-1Sorbic acidUSP-NF, Ph.Eur,<br>BP, IP•110-15-6Succinic acidUSP-NF,<br>Ph.Eur, IP•87-69-4Tartaric acidUSP-NF, Ph.Eur, IP•54-64-8ThimerosalUSP, Ph.Eur, BP, IP•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur, IP•102-76-1Triodium citrate dihydrateUSP, Ph.Eur, IP•102-76-1Trolamine (triethanolamine)USP, Ph.Eur, IP•102-71-6Trolamine (triethanolamine)USP, Ph.Eur, IP•102-71-6UreaUSP, Ph.Eur, IP•  | 7647-14-5  | Sodium chloride             | USP, Ph.Eur, IP, BP | •   |    |    |    |    |      |    |    |    |     |    |    |    |
| 110-44-1Sorbic acidUSP-NF, Ph.Eur,<br>BP, IP•110-15-6Succinic acidUSP-NF•87-69-4Tartaric acidUSP-NF, Ph.Eur, IP•54-64-8ThimerosalUSP, Ph.Eur, BP, IP•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur, IP•102-76-1Trolamine (triethanolamine)USP, Ph.Eur, IP•102-71-6UreaUSP, Ph.Eur, IP•   | 13472-35-0 | or sodium phosphate         | USP, Ph.Eur, IP, BP |     |    |    |    |    | •    |    |    |    |     |    |    |    |
| BP, IP110-15-6Succinic acidUSP-NF●87-69-4Tartaric acidUSP-NF, Ph.Eur, IP●54-64-8ThimerosalUSP, Ph.Eur, BP, IP●102-76-1TriacetinUSP, Ph.Eur●102-76-1TriacetinUSP, Ph.Eur●102-76-1TriacetinUSP, Ph.Eur●102-76-1TriacetinUSP, Ph.Eur●102-76-1TriacetinUSP, Ph.Eur●102-76-1TriacetinUSP, Ph.Eur●102-76-1Trisodium citrate dihydrateUSP, Ph.Eur, IP●102-71-6UreaUSP, Ph.Eur, IP●  | 7681-57-4  | Sodium metabisulfite        | USP-NF, Ph.Eur, IP  |     |    |    |    |    |      |    |    | •  |     |    |    |    |
| 87-69-4Tartaric acidUSP-NF, Ph.Eur, IP•54-64-8ThimerosalUSP, Ph.Eur, BP, IP•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•102-71-6Trisodium citrate dihydrateUSP, Ph.Eur, IP•102-71-6UreaUSP, Ph.Eur, IP•  | 110-44-1   | Sorbic acid                 |                     |     |    |    |    |    |      |    | •  |    |     |    |    |    |
| 54-64-8ThimerosalUSP, Ph.Eur, BP, IP•102-76-1TriacetinUSP, Ph.Eur•102-76-1TriacetinUSP, Ph.Eur•77-93-0Triethyl citrateUSP-NF•1545801Trisodium citrate dihydrateUSP, Ph.Eur, IP•102-71-6Trolamine (triethanolamine)USP-NF, Ph.Eur•57-13-6UreaUSP, Ph.Eur, IP•   | 110-15-6   | Succinic acid               | USP-NF              |     |    |    | •  |    | •    |    |    |    |     |    |    |    |
| 102-76-1TriacetinUSP, Ph.Eur102-76-1TriacetinUSP, Ph.Eur77-93-0Triethyl citrateUSP-NF1545801Trisodium citrate dihydrateUSP, Ph.Eur, IP102-71-6Trolamine (triethanolamine)USP-NF, Ph.Eur57-13-6UreaUSP, Ph.Eur, IP  | 87-69-4    | Tartaric acid               | USP-NF, Ph.Eur, IP  |     |    |    |    |    | •    |    |    |    |     |    |    |    |
| 102-76-1TriacetinUSP, Ph.Eur77-93-0Triethyl citrateUSP-NF•1545801Trisodium citrate dihydrateUSP, Ph.Eur, IP•102-71-6Trolamine (triethanolamine)USP-NF, Ph.Eur•57-13-6UreaUSP, Ph.Eur, IP   | 54-64-8    | Thimerosal                  | USP, Ph.Eur, BP, IP |     |    |    |    |    |      |    | •  |    |     |    |    |    |
| 77-93-0Triethyl citrateUSP-NF1545801Trisodium citrate dihydrateUSP, Ph.Eur, IP102-71-6Trolamine (triethanolamine)USP-NF, Ph.Eur57-13-6UreaUSP, Ph.Eur, IP  | 102-76-1   | Triacetin                   | USP, Ph.Eur         |     |    |    |    |    |      |    |    |    | •   |    |    |    |
| 1545801Trisodium citrate dihydrateUSP, Ph.Eur, IP102-71-6Trolamine (triethanolamine)USP-NF, Ph.Eur●57-13-6UreaUSP, Ph.Eur, IP  | 102-76-1   | Triacetin                   | USP, Ph.Eur         |     |    |    |    |    |      |    |    |    |     |    |    |    |
| 102-71-6Trolamine (triethanolamine)USP-NF, Ph.Eur••57-13-6UreaUSP, Ph.Eur, IP  | 77-93-0    | Triethyl citrate            | USP-NF              |     |    |    | •  |    |      |    |    |    |     |    |    |    |
| 57-13-6 Urea USP, Ph.Eur, IP   | 1545801    | Trisodium citrate dihydrate | USP, Ph.Eur, IP     |     |    |    |    |    | •    |    |    |    |     |    |    |    |
|  | 102-71-6   | Trolamine (triethanolamine) | USP-NF, Ph.Eur      |     |    |    |    |    | •    |    |    |    |     |    | •  |    |
| 1314-13-2         Zinc oxide         USP, Ph.Eur, IP         •         •   | 57-13-6    | Urea                        | USP, Ph.Eur, IP     |     |    |    |    |    |      |    |    |    |     |    |    |    |
|  | 1314-13-2  | Zinc oxide                  | USP, Ph.Eur, IP     |     |    |    | •  |    |      |    | •  |    |     |    |    |    |

D/C: Diluents, Charges / LU: Lubricants / AN: Antioxidants / BP: Ointment base / LI: Binders / A pH: PH adjustment / T/E: Surfactants, Stabilizers AC: Bulking agents / PL: Plasticizer / HU: Moisturizers / AR: Coating agents / CO: Preservatives / AE: Emulsifying agents



#### barcelonesa@barcelonesa.com barcelonesa.com

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