



EXCIPIENTS AND RAW MATERIALS

For pharmaceutical and
biopharmaceutical production

www.itwreagents.com



The peace of mind
of trusting a leading
company.

ITW Illinois Tool Works Inc. (NYSE: ITW) is a diversified manufacturing company that delivers specialized expertise, innovative thinking and value-added products to meet critical customer needs in a variety of industries.

FORTUNE 250

\$15 Billion
ANNUAL REVENUE

100 years of
EXPERIENCE
founded in 1912

A GLOBAL
company, headquartered
in Chicago
87 DIVISIONS IN
55 Countries

Highly
INNOVATIVE
organization

17,000+
GRANTED PATENTS
AND APPLICATIONS

SEGMENTS

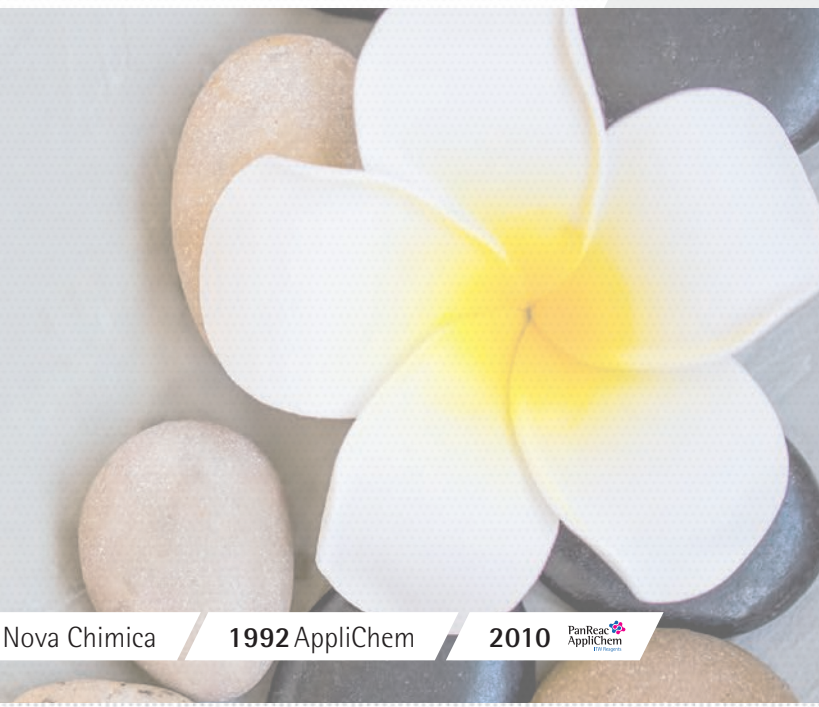
- Automotive OEM
- Specialty products
- Test & measurement and electronics
- Food equipment
- Construction products
- Polymers & fluids
- Welding

OUR VALUES



ITW REAGENTS

In 2010, the ITW Reagents division was born from the integration of the companies Panreac Quimica SLU (Spain) and Nova Chimica Srl (Italy), and later AppliChem GmbH (Germany). With the aim of bringing together the experience and know-how of these three well-established companies, the division offers the highest quality and innovative products for analysis, research and production applications.



1912 ITW

1941 Panreac Quimica

1980 Nova Chimica

1992 AppliChem

2010 

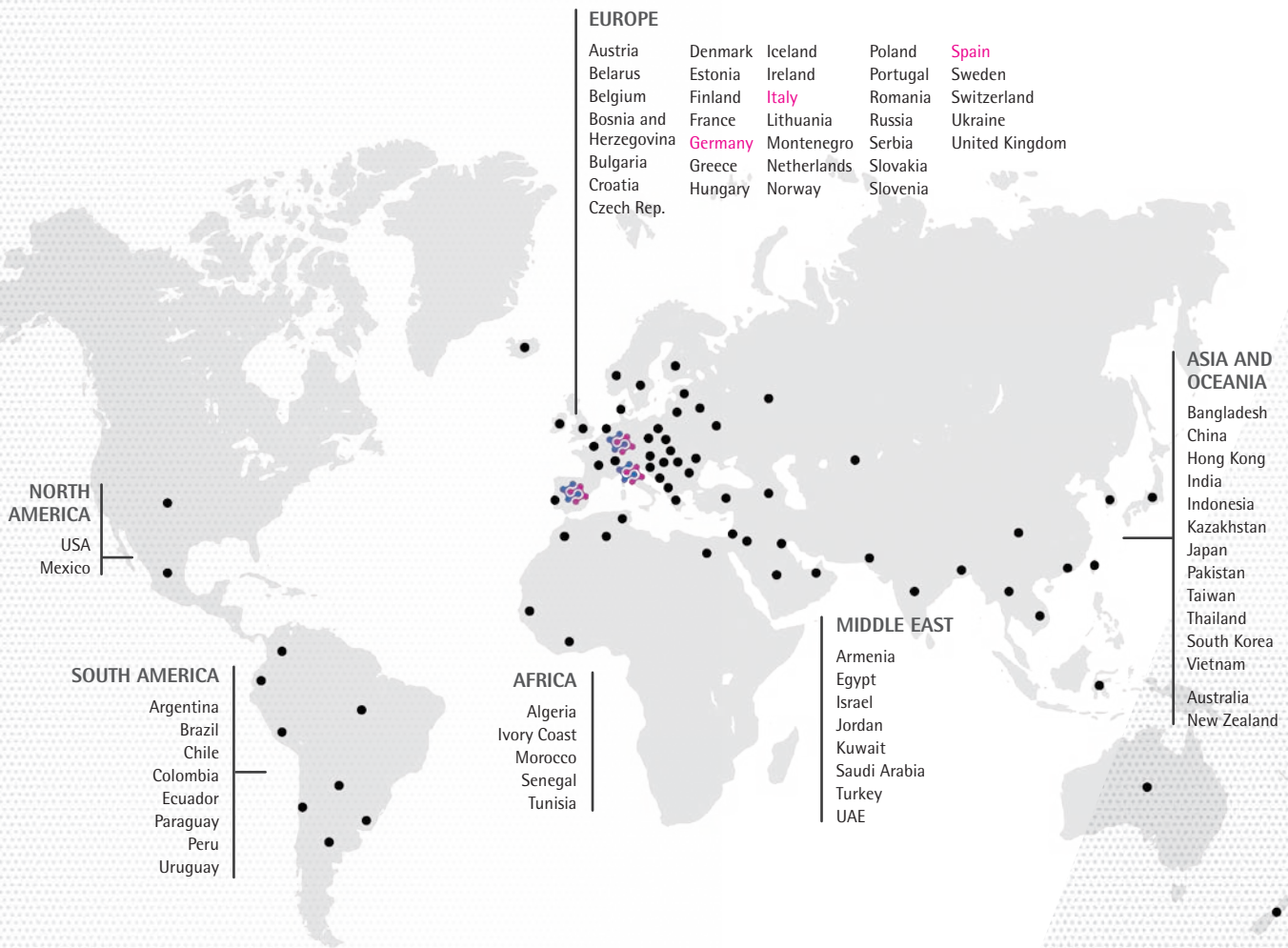


We are convinced that chemistry has an important role in making the urbanized world a better place to live. Our commitment is to contribute with our products to innovative solutions aimed at improving people's quality of life, sustainable development and global solutions.

More than a client-provider,
PanReac AppliChem is a natural partner!

WE ARE EVERYWHERE

Nowadays **ITW Reagents** markets its products worldwide through an extensive distribution network in more than 80 countries under the brand **PanReac AppliChem**.



ITW Reagents sites • Distributors

OUR QUALITY POLICY

More than specifications, it is attitude. It is quality in our processes. PanReac AppliChem has an integrated management system implemented in all activities relevant to the following standards:



ISO 9001:2015
Quality
Management



ISO 14001:2015
Environmental
Protection



OHSAS 18001:2007
Occupational Health
and Safety
Management

IPEC/PQG GMP
Guide for
Pharmaceutical
Excipients

- Full traceability
- Self assessment documentation
- Strict working conditions
- High quality and safe raw materials
- Regulatory certificates
- Detailed processes



OUR OFFER


We have been accompanying the pharmaceutical industry in the development of its products for more than 75 years. Selecting, analyzing, producing and supplying the best **raw materials** for their manufacturing processes and the most suitable **excipients** for the final formulation.



Final products

- Diluents / Fillers
- Binders
- Lubricants
- Coatings
- Acidifiers
- Disintegrants
- Buffering agents
- Preservatives
- Solvents / Co-Solvents
- Antioxidants
- Wetting agents
- Flavouring agents
- Humectants
- Emulsifiers
- Stabilizers
- Effervescence agents

PanReac
AppliChem
ITW Reagents

A photograph of an industrial facility, likely a chemical or pharmaceutical plant. The scene is dominated by large, cylindrical stainless steel storage tanks on the right side, which are supported by concrete pillars. A complex network of blue-painted metal structures and silver-colored pipes runs across the facility, connecting various pieces of equipment. The background shows a clear sky and some greenery, suggesting an outdoor or semi-outdoor setting. The overall impression is one of a well-maintained, large-scale industrial operation.

Our goal is to make your work easier
so you can save on time and resources.

Production Processes

- Solvents
- Cleaning agents
- pH adjustment solutions
- Intermediates

WHY US: SERVICE AND BENEFITS

- **Exceptional know-how** and a wide range of chemicals and biochemicals for a great diversity of applications.
- **European production** committed to corporate social responsibility (CSR).
- **Clear communication channel** through our sales force and customer service team, and efficient global distribution network.
- **Qualified management team** fully committed to our business project.



Providing experience and quality to the pharmaceutical industry.

Understanding your needs through close communication

Providing the technical know-how to explore our mutual possibilities

Finding the best solution for your application

Customer Satisfaction:
Our Satisfaction



OUR FACILITIES

The ITW Reagents division has **two production plants** in Darmstadt (Germany) and Barcelona (Spain). We have invested and developed state-of-the-art, purpose-built facilities to meet the needs of our customers. Both sites offer high quality, scalability and flexibility for small to large scale production.



ANALYTICAL CAPABILITIES

Through our commitment to quality, we aim to satisfy the needs of our customers, whilst safeguarding the health and safety of our employees, respecting the environment, and managing and guaranteeing the quality of our processes, services, and products.

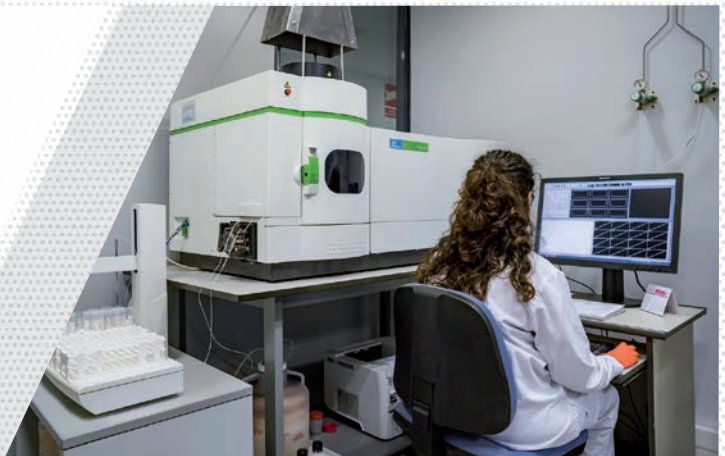


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ITW Reagents

Our laboratories monitor compliance with the specifications of the main pharmacopoeias (USP, Ph. Eur.) and the regulations on raw materials and finished products. We apply general analysis techniques, checking for trace metal impurities, using chromatography to determine solvent purity, detecting impurities as well as conducting microbiological tests.



We want to assure our customers that we fully share their commitment to caring for the environment whilst maintaining the highest standards of quality.



EXCIPIENTS FOR PHARMACEUTICAL PRODUCTION PORTFOLIO

| Code | Product Name |
|--------|---|
| 141008 | Acetic Acid glacial (USP, BP, Ph. Eur.) pure, pharma grade |
| 196358 | Acetic Acid 36% (USP-NF) pharma grade |
| 631007 | Acetone (Ph. Eur, BP, USP-NF) GMP - IPEC grade |
| 141102 | Aluminium Ammonium Sulfate 12-hydrate (USP) pure, pharma grade |
| 141097 | Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |
| 141103 | Aluminium Potassium Sulfate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |
| 63B764 | 6-Aminohexanoic Acid (Ph. Eur., BP, USP) GMP - IPEC grade |
| 141129 | Ammonia 25% (as NH ₃) (BP, Ph. Eur.) pure, pharma grade |
| A1668 | L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade |
| 141014 | Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade |
| 141081 | Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 141015 | Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 141082 | 1-Butanol (USP-NF) pure, pharma grade |
| 144233 | Butylhydroxyanisole (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| Z42825 | Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade |
| 191232 | Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade |
| 144564 | Castor Oil (BP, Ph. Eur.) pure, pharma grade |
| 141808 | Citric Acid anhydrous (USP, BP, Ph. Eur., JP) pure, pharma grade |
| 141018 | Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade |
| 197012 | Citric Acid 15% (w/v) pharma grade |
| 196073 | Collodion Castor (Ph. Fr.) pharma grade |
| 197175 | Collodion flexible (BP) pharma grade |
| 141278 | Collodion solution 4% w/v (USP) pure, pharma grade |
| 141270 | Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade |
| A1703 | L-Cystine (Ph. Eur.) pure, pharma grade |
| 191937 | Di-n-Butyl Phthalate (BP, Ph. Eur., JP) pharma grade |
| 141254 | Dichloromethane stabilized with ~ 20 ppm of amylene (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 191287 | Diethanolamine (USP-NF) pharma grade |
| Z4C393 | Diethylenetriaminepentaacetic Acid Calcium and Trisodium Salt x-hydrate (Ph. Eur.) low in endotoxins IPEC grade |

This is a selection of products. If you are interested in a specific product that is not listed, please contact us.

| Code | Product Name |
|--------|--|
| 143145 | N,N-Dimethylacetamide (BP, Ph. Eur.) pure, pharma grade |
| 191954 | Dimethyl Sulfoxide (USP, BP, Ph. Eur.) pharma grade |
| 631669 | EDTA Disodium Salt 2-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade |
| 631086 | Ethanol absolute (Ph. Eur, BP, USP, JP) GMP - IPEC grade |
| 631085 | Ethanol 96% v/v (Ph. Eur, BP, USP) GMP - IPEC grade |
| 191318 | Ethyl Acetate (BP, Ph. Eur.) pharma grade |
| 141328 | Formaldehyde 37-38% stabilized with methanol (USP, BP, Ph. Eur.) pure, pharma grade |
| 142728 | D(-)-Fructose (USP, BP, Ph. Eur.) pure, pharma grade |
| 142344 | Fumaric Acid (USP-NF) pure, pharma grade |
| Z42173 | D(+)-Galactose low endotoxin (Ph. Eur.) pure, pharma grade |
| 141341 | D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade |
| 633140 | D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade |
| 631339 | Glycerol (Ph. Eur, BP, USP) GMP - IPEC grade |
| 631340 | Glycine (Ph. Eur, BP, USP) GMP - IPEC grade |
| 141340 | Glycine (USP, BP, Ph. Eur.) pure, pharma grade |
| 141020 | Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 143006 | Hydrochloric Acid 10% (USP-NF, Ph. Eur.) pure, pharma grade |
| 192109 | Hydrochloric Acid 5 mol/l (5N) pharma grade |
| 141077 | Hydrogen Peroxide 33% w/v (110 vol.) stabilized (USP, BP, Ph. Eur.) pure, pharma grade |
| 141771 | Iodine resublimed pearls (USP, BP, Ph. Eur.) pure, pharma grade |
| 196997 | Iron(III) Chloride solution 14% w/w (as Fe) pharma grade |
| 147204 | Iron(III) Chloride solution 12% w/w (as Fe) high pure, pharma grade |
| 141362 | Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |
| 141034 | L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade |
| A1342 | L-Lysine 1-hydrate (DAB) pure, pharma grade |
| 631396 | Magnesium Chloride 6-hydrate (Ph. Eur., BP) GMP - IPEC grade |
| 631404 | Magnesium Sulfate 7-hydrate (Ph. Eur, BP) GMP - IPEC grade |
| 141673 | Magnesium Sulfate 65% dry, powder (BP) pure, pharma grade |
| 142067 | D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade |

EXCIPIENTS FOR PHARMACEUTICAL PRODUCTION PORTFOLIO

| Code | Product Name |
|--------|---|
| 141091 | Methanol (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 141348 | 2-Methyl-2,4-Pentanediol (USP-NF) pure, pharma grade |
| 143080 | 1-Methyl-2-Pyrrolidone (BP, Ph. Eur., USP-NF) pure, pharma grade |
| 192786 | Octanoic Acid (BP, Ph. Eur.) pharma grade |
| 141323 | Phenol 90% aqueous solution (USP) pure, pharma grade |
| 141032 | ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 142436 | Polyethylene Glycol 400 (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 191490 | Potassium Carbonate (USP, BP, Ph. Eur.) pharma grade |
| 191494 | Potassium Chloride (USP, BP, Ph. Eur.) pharma grade |
| 141512 | di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade |
| 141509 | Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 141515 | Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 141524 | Potassium Nitrate without anticaking (BP, Ph. Eur.) pure, pharma grade |
| 141545 | 1,2-Propanediol (USP, BP, Ph. Eur., JP) pure, pharma grade |
| 631090 | 2-Propanol (Ph. Eur, BP, USP-NF) GMP - IPEC grade |
| 141090 | 2-Propanol (USP, BP, Ph. Eur.) pure, pharma grade |
| 141621 | Saccharose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade |
| 142363 | SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 141632 | Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |
| Z96454 | Sodium Caprylate (Ph. Eur., BP, USP-NF) low in endotoxins, pharma grade |
| 141648 | Sodium Carbonate anhydrous (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 631659 | Sodium Chloride (Ph. Eur, BP, USP) low in endotoxins, GMP - IPEC grade |
| 141659 | Sodium Chloride (USP, BP, Ph. Eur., JP) pure, pharma grade |
| 631655 | tri-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade |
| 141655 | tri-Sodium Citrate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |
| 141698 | Sodium Disulfite (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 141675 | Sodium Fluoride (USP) pure, pharma grade |
| 143289 | Sodium Formaldehyde Sulfoxylate x-hydrate (USP-NF) pure, pharma grade |

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| Code | Product Name |
|--------|---|
| 141683 | Sodium L-Glutamate 1-hydrate (USP-NF) pure, pharma grade |
| 631638 | Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) GMP - IPEC grade |
| 141679 | di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade |
| 142507 | di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |
| 141678 | di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |
| 141965 | Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade |
| 141677 | Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |
| 141929 | Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 631687 | Sodium Hydroxide pellets (Ph. Eur, BP, USP, JP) GMP - IPEC grade |
| 144320 | Sodium Hydroxide solution 30% w/w pure, pharma grade |
| 192415 | Sodium Hydroxide 1 mol/l (1N) pharma grade |
| 192159 | Sodium Hydroxide 5 mol/l (5N) pharma grade |
| 193508 | Sodium Hydroxide 10 mol/l (10N) pharma grade |
| 192756 | Sodium Selenite anhydrous (Ph. Eur., BP) pharma grade |
| 191716 | Sodium Sulfate anhydrous (USP, BP, Ph. Eur.) pharma grade |
| 141721 | Sodium Thiosulfate 5-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |
| 141055 | Sorbic Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 141058 | Sulphuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade |
| 142101 | Titanium(IV) Oxide (USP, BP, Ph. Eur.) pure, pharma grade |
| 141067 | Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade |
| 145300 | 1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (BP, Ph. Eur.) pure, pharma grade |
| 191750 | Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade |
| 141750 | Triethanolamine (USP-NF) pure, pharma grade |
| 141940 | Tris (USP, BP, Ph. Eur.) pure, pharma grade |
| 191754 | Urea crystalline (USP, BP, Ph. Eur.) pharma grade |
| 141003 | Vaseline Oil (USP, BP, Ph. Eur.) pure, pharma grade |
| A8454 | Vitamin B12 (Ph. Eur.) pure, pharma grade |
| 141787 | Zinc Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade |



A164,EN;201906



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