



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
83 DIVISIONS IN
52 Countries

Highly
INNOVATIVE
organization

19,000+
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 Química 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 Química

1980 Nova Chimica

1992 AppliChem

2010 PanReac
AppliChem
ITW Reagents



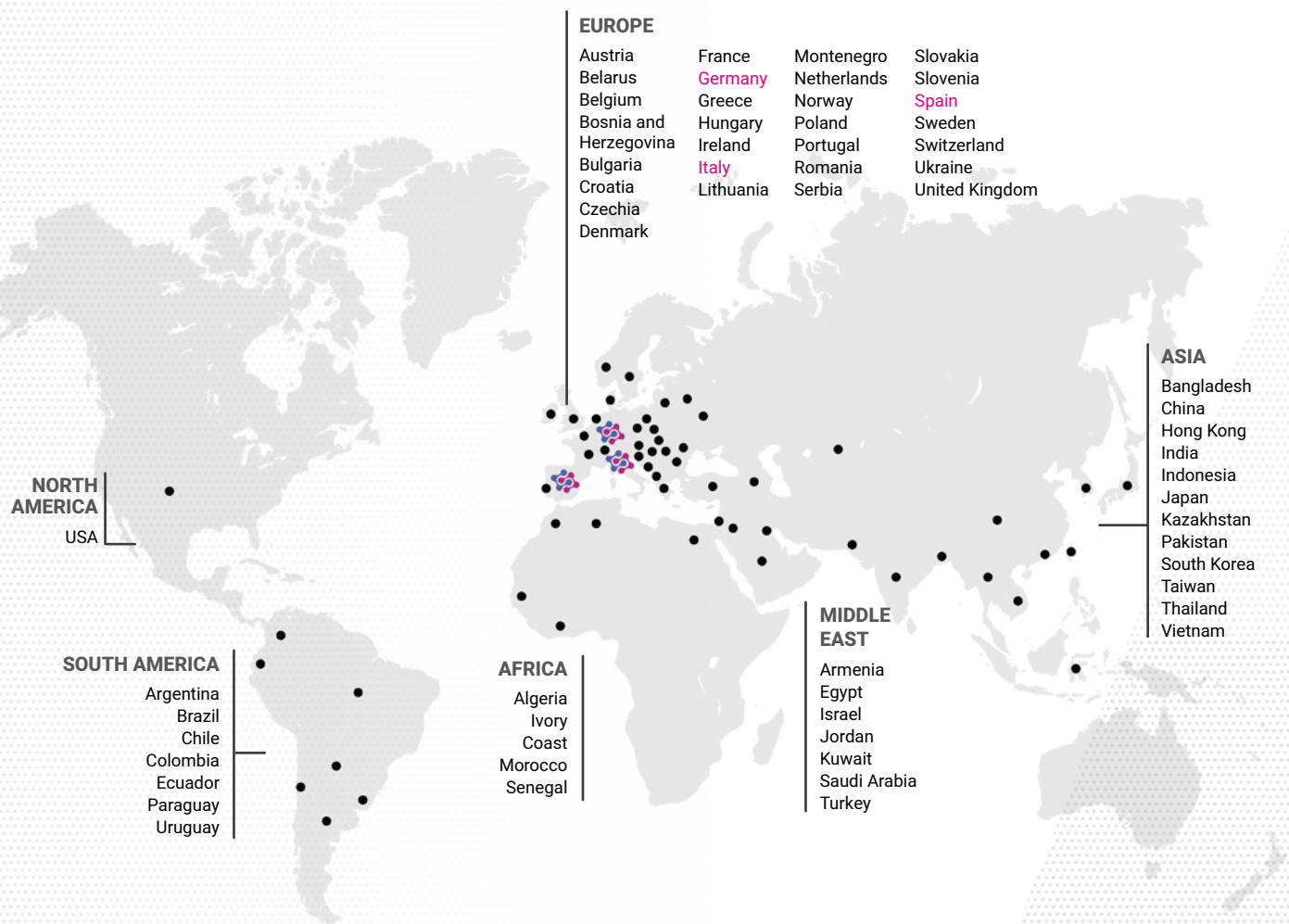
We are convinced that chemistry has an important role in making the urbanized world a better place to live. Our commitment is to contribute with our products to innovative solutions aimed at improving people's quality of life, sustainable development and global solutions.

**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 60 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



ISO 45001:2018
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, which are supported by concrete pillars. A complex network of blue-painted metal structures and silver-colored pipes runs across the left and center of the image. The pipes are connected by various valves and fittings. In the background, more industrial equipment and a clear sky are visible. The overall impression is one of a modern, well-maintained industrial environment.

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.



**PanReac
AppliChem**
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.



Code	Product Name	CAS number
141008	Acetic Acid glacial (USP, BP, Ph. Eur.) pure, pharma grade	64-19-7
196358	Acetic Acid 36% (USP-NF) pharma grade	64-19-7
141007	Acetone (Ph. Eur, BP, USP-NF) GMP - IPEC grade	67-64-1
141102	Aluminium Ammonium Sulfate 12-hydrate (USP) pure, pharma grade	7784-26-1
141097	Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7784-13-6
141103	Aluminium Potassium Sulfate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7784-24-9
63B764	6-Aminohexanoic Acid (Ph. Eur., BP, USP) GMP - IPEC grade	60-32-2
141129	Ammonia 25% (as NH ₃) (BP, Ph. Eur.) pure, pharma grade	1336-21-6
A1668	L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade	5794-13-8
141014	Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade	65-85-0
141081	Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade	100-51-6
141015	Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade	10043-35-3
141082	1-Butanol (USP-NF) pure, pharma grade	71-36-3
144233	Butylhydroxyanisole (USP-NF, BP, Ph. Eur.) pure, pharma grade	25013-16-5
Z42825	Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade	128-37-0
191232	Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade	10035-04-8
144564	Castor Oil (BP, Ph. Eur.) pure, pharma grade	8001-79-4
141808	Citric Acid anhydrous (USP, BP, Ph. Eur., JP) pure, pharma grade	77-92-9
141018	Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade	5949-29-1
197012	Citric Acid 15% (w/v) pharma grade	77-92-9
196073	Collodion Castor (Ph. Fr.) pharma grade	--
197175	Collodion flexible (BP) pharma grade	--
141278	Collodion solution 4% (USP) pure, pharma grade	--
141270	Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade	7758-99-8
A1703	L-Cystine (Ph. Eur.) pure, pharma grade	56-89-3
141937	Di-n-Butyl Phthalate (BP, Ph. Eur., JP) pharma grade	84-74-2
141254	Dichloromethane stabilized with ~ 20 ppm of amylene (USP-NF, BP, Ph. Eur.) pure, pharma grade	75-09-2
191287	Diethanolamine (USP-NF) pharma grade	111-42-2
Z4C393	Diethylenetriaminepentaacetic Acid Calcium and Trisodium Salt x-hydrate (Ph. Eur.) low in endotoxins IPEC grade	12111-24-9
143145	N,N-Dimethylacetamide (BP, Ph. Eur.) pure, pharma grade	127-19-5
191954	Dimethyl Sulfoxide (USP, BP, Ph. Eur.) pharma grade	67-68-5
631669	EDTA Disodium Salt 2-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade	6381-92-6
631086	Ethanol absolute (Ph. Eur, BP, USP, JP) GMP - IPEC grade	64-17-5

EXCIPIENTS FOR PHARMACEUTICAL PRODUCTION PORTFOLIO

Code	Product Name	CAS number
631085	Ethanol 96% v/v (Ph. Eur, BP, USP) GMP - IPEC grade	64-17-5
191318	Ethyl Acetate (BP, Ph. Eur.) pharma grade	141-78-6
141328	Formaldehyde 37-38% stabilized with methanol (USP, BP, Ph. Eur.) pure, pharma grade	50-00-0
142728	D(-)-Fructose (USP, BP, Ph. Eur.) pure, pharma grade	57-48-7
142344	Fumaric Acid (USP-NF) pure, pharma grade	110-17-8
Z42173	D(+)-Galactose low endotoxin (Ph. Eur.) pure, pharma grade	59-23-4
141341	D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	50-99-7
633140	D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade	5996-10-1
631339	Glycerol (Ph. Eur, BP, USP) GMP - IPEC grade	56-81-5
631340	Glycine (Ph. Eur, BP, USP) GMP - IPEC grade	56-40-6
141340	Glycine (USP, BP, Ph. Eur.) pure, pharma grade	56-40-6
141020	Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7647-01-0
143006	Hydrochloric Acid 10% (USP-NF, Ph. Eur.) pure, pharma grade	7647-01-0
192109	Hydrochloric Acid 5 mol/l (5N) pharma grade	7647-01-0
141077	Hydrogen Peroxide 33% w/v (110 vol.) stabilized (USP, BP, Ph. Eur.) pure, pharma grade	7722-84-1
141771	Iodine resublimed pearls (USP, BP, Ph. Eur.) pure, pharma grade	7553-56-2
196997	Iron(III) Chloride solution 14% w/w (as Fe) pharma grade	7705-08-0
147204	Iron(III) Chloride solution 12% w/w (as Fe) high pure, pharma grade	7705-08-0
141362	Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7782-63-0
141034	L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade	79-33-4
A1342	L-Lysine 1-hydrate (DAB) pure, pharma grade	39665-12-8
631396	Magnesium Chloride 6-hydrate (Ph. Eur., BP) GMP - IPEC grade	7791-18-6
631404	Magnesium Sulfate 7-hydrate (Ph. Eur, BP) GMP - IPEC grade	10034-99-8
141673	Magnesium Sulfate 65% dry, powder (BP) pure, pharma grade	7487-88-9
142067	D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade	69-65-8
141091	Methanol (USP-NF, BP, Ph. Eur.) pure, pharma grade	67-56-1
141348	2-Methyl-2,4-Pentanediol (USP-NF) pure, pharma grade	107-41-5
143080	1-Methyl-2-Pyrrolidone (BP, Ph. Eur., USP-NF) pure, pharma grade	872-50-4
192786	Octanoic Acid (BP, Ph. Eur.) pharma grade	124-07-2
141323	Phenol 90% aqueous solution (USP) pure, pharma grade	108-95-2
141032	ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7664-38-2

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

EXCIPIENTS FOR PHARMACEUTICAL PRODUCTION PORTFOLIO

Code	Product Name	CAS number
142436	Polyethylene Glycol 400 (USP-NF, BP, Ph. Eur.) pure, pharma grade	25322-68-3
191490	Potassium Carbonate (USP, BP, Ph. Eur.) pharma grade	584-08-7
191494	Potassium Chloride (USP, BP, Ph. Eur.) pharma grade	7447-40-7
141512	di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade	7758-11-4
141509	Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade	7778-77-0
141515	Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-58-3
141524	Potassium Nitrate without anticaking (BP, Ph. Eur.) pure, pharma grade	7757-79-1
141545	1,2-Propanediol (USP, BP, Ph. Eur., JP) pure, pharma grade	57-55-6
631090	2-Propanol (Ph. Eur, BP, USP-NF) GMP - IPEC grade	67-63-0
141090	2-Propanol (USP, BP, Ph. Eur.) pure, pharma grade	67-63-0
141621	Saccharose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade	57-50-1
142363	SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade	151-21-3
141632	Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6131-90-4
Z96454	Sodium Caprylate (Ph. Eur., BP, USP-NF) low in endotoxins, pharma grade	1984-06-1
141648	Sodium Carbonate anhydrous (USP-NF, BP, Ph. Eur.) pure, pharma grade	497-19-8
631659	Sodium Chloride (Ph. Eur, BP, USP) low in endotoxins, GMP - IPEC grade	7647-14-5
141659	Sodium Chloride (USP, BP, Ph. Eur., JP) pure, pharma grade	7647-14-5
631655	tri-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade	6132-04-3
141655	tri-Sodium Citrate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6132-04-3
141698	Sodium Disulfite (USP-NF, BP, Ph. Eur.) pure, pharma grade	7681-57-4
141675	Sodium Fluoride (USP) pure, pharma grade	7681-49-4
143289	Sodium Formaldehyde Sulfoxylate x-hydrate (USP-NF) pure, pharma grade	149-44-0
141683	Sodium L-Glutamate 1-hydrate (USP-NF) pure, pharma grade	6106-04-3
631638	Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) GMP - IPEC grade	144-55-8
141679	di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	7558-79-4
142507	di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10028-24-7
141678	di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10039-32-4
141965	Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade	10049-21-5
141677	Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	13472-35-0
141929	Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-73-2
631687	Sodium Hydroxide pellets (Ph. Eur, BP, USP, JP) GMP - IPEC grade	1310-73-2

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EXCIPIENTS FOR PHARMACEUTICAL PRODUCTION PORTFOLIO

Code	Product Name	CAS number
144320	Sodium Hydroxide solution 30% w/w pure, pharma grade	1310-73-2
192415	Sodium Hydroxide 1 mol/l (1N) pharma grade	1310-73-2
192159	Sodium Hydroxide 5 mol/l (5N) pharma grade	1310-73-2
193508	Sodium Hydroxide 10 mol/l (10N) pharma grade	1310-73-2
192756	Sodium Selenite anhydrous (Ph. Eur., BP) pharma grade	10102-18-8
191716	Sodium Sulfate anhydrous (USP, BP, Ph. Eur.) pharma grade	7757-82-6
141721	Sodium Thiosulfate 5-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10102-17-7
141055	Sorbic Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade	110-44-1
141058	Sulfuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7664-93-9
142101	Titanium(IV) Oxide (USP, BP, Ph. Eur.) pure, pharma grade	13463-67-7
141067	Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade	76-03-9
145300	1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (BP, Ph. Eur.) pure, pharma grade	6001-64-5
191750	Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade	102-71-6
141750	Triethanolamine (USP-NF) pure, pharma grade	102-71-6
141940	Tris (USP, BP, Ph. Eur.) pure, pharma grade	77-86-1
191754	Urea crystalline (USP, BP, Ph. Eur.) pharma grade	57-13-6
141003	Vaseline Oil (USP, BP, Ph. Eur.) pure, pharma grade	8012-95-1
A8454	Vitamin B12 (Ph. Eur.) pure, pharma grade	68-19-9
141787	Zinc Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7446-20-0

Find more information in our brochures:



Raw materials for
cell culture media
production



Excipients
for vaccine
formulation



Low endotoxin
raw materials



AppliChem GmbH

Ottoweg 4 · DE-64291 Darmstadt · Germany · Phone +49 6151 9357 0 · Fax +49 6151 9357 11
info.de@itwreagents.com

ITW Reagents S.R.L.

Corso Milano, 31 · I-20900 Monza (MB) · Italy · Phone +39 02 66045392 · Fax +39 02 66045394
info.it@itwreagents.com

PanReac Química S.L.U.

C/ Garraf 2, Polígono Pla de la Bruguera · E-08211 Castellar del Vallès · (Barcelona) Spain
Phone +34 937 489 400 · Fax +34 937 489 401
info.es@itwreagents.com

itwreagents.com

