

HIGH-QUALITY CHEMICALS FOR CLEANING IN PLACE (CIP)







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One of the critical aims in pharma and biopharma processes is guarantee and maintain the cleanliness of the equipment for high-purity pharmaceutical manufacturing.

Cleaning In Place (CIP) is the most common procedure for equipment sanitization. CIP means:

- Increase efficiency (time saving)
- Prevention of cross contamination
- Production yield and quality improvement

ITW Reagents, as specialist in high-quality chemicals for pharmaceutical applications, is your strategic partner to support the best implementation of Cleaning In Place.

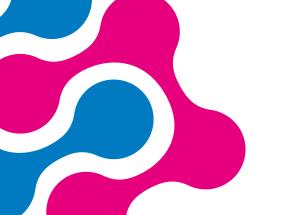


Why us?

- Wide range of chemicals and biochemicals
- **High-purity products**
- Suitable for pharma industry:

Clean room Supply chain visibility Quality agreement Audit Change control ISO certified: ISO 9001, ISO 14001 & ISO 45001 **Regulatory documentation IPEC** compliance

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



www.itwreagents.com

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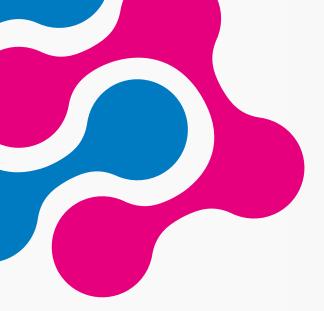
ITW Reagents portfolio

We can offer an interesting portfolio of chemicals in compliance with the most high-quality standard and common pharmacopeias, available with high flexibility of pack sizes. Our standard packaging goes up to 1000 L for liquid forms and 25 kg for solids.

| Product code | Product name | CAS number |
|--------------|--|------------|
| 141008 | Acetic Acid glacial pure, pharma grade | 64-19-7 |
| 196358 | Acetic Acid 36% pharma grade | 64-19-7 |
| 196884 | Acetic Acid 25% w/w pharma grade | 64-19-7 |
| 141018 | Citric Acid 1-hydrate pure, pharma grade | 5949-29-1 |
| 141808 | Citric Acid anhydrous pure, pharma grade | 77-92-9 |
| 197012 | Citric Acid 15% pharma grade | 77-92-9 |
| 631086 | Ethanol absolute IPEC grade | 64-17-5 |
| 191086 | Ethanol absolute pharma grade | 64-17-5 |
| 141086 | Ethanol absolute pure | 64-17-5 |
| 631085 | Ethanol 96% v/v IPEC grade | 64-17-5 |
| 141085 | Ethanol 96% v/v pure, pharma grade | 64-17-5 |
| 212800 | Ethanol 96% v/v partially denatured technical grade | 64-17-5 |
| 141316 | Ethylene Glycol pure | 107-21-1 |
| 141020 | Hydrochloric Acid 37% pure, pharma grade | 7647-01-0 |
| 143006 | Hydrochloric Acid 10% w/w pure, pharma grade | 7647-01-0 |
| 192109 | Hydrochloric Acid 5 mol/l (5N) pharma grade | 7647-01-0 |
| 131020 | Hydrochloric Acid 37% for analysis, ACS, ISO | 7647-01-0 |
| 133378 | Hydrochloric acid 25% for analysis | 7647-01-0 |
| 143495 | Peracetic Acid 15% pure | 79-21-0 |
| 141515 | Potassium Hydroxide 85% pellets pure, pharma grade | 1310-58-3 |
| 631687 | Sodium Hydroxide pellets IPEC grade | 1310-73-2 |
| 141687 | Sodium Hydroxide pellets pure, pharma grade | 1310-73-2 |
| 192404 | Sodium Hydroxide solution 50% w/w | 1310-73-2 |
| 141571 | Sodium Hydroxide solution 50% w/v pure | 1310-73-2 |
| LZ3402 | Sodium Hydroxide solution 25% w/w pure, pharma grade | 1310-73-2 |
| 144320 | Sodium Hydroxide solution 30% w/w pure, pharma grade | 1310-73-2 |

This is a selection of chemicals for Cleaning In Place. If you have any other needs or requests, please contact us at **biopharma@itwreagents.com** and we will be glad to support you.

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