



### • TEMAD AT A GLANCE

Temad Co. Active Pharmaceutical Ingredients, established in 1980 is one of the largest producers of APIs in Iran and an innovative manufacturer of Narcotics and Non-narcotics of world class quality in the Middle East.

Apart from compliance with Iranian GMP regulation, Temad has acquired the national and international standards of APIs manufacturing such as ISO 9001-2015, ISO 14001-2015, ISO 45001-2018 and Food and Drug Administration with certifying bodies in Europe, is also anticipating the CEP certificate from European organizations. Mashhad Temad in the holy city of Mashhad, an APIs division of Temad, is the highly privileged producer of Paracetamol Powder and Paracetamol DC by employing highly qualified and experienced personnel which not only has brought customer satisfaction in the local market but also exports its products to the international market.



### • Manufacturing Facilities

The manufacturing sites are located in an industrial zone 28 kilometers from the capital, Tehran, in a total area of about 5 hectares. This area includes production sites of 4500 m<sup>2</sup>, a warehouse area of 5000 m<sup>2</sup>, and an administrative and laboratory area of 2500 m<sup>2</sup>. Temad's facilities includes high quality equipment with large capacity (more than 120000 liters) glass-lined, stainless steel reactors and distillation units. Mashhad Temad unit is located in 3rd km of Mashhad Fariman road in khorasan Razavi in total area of about 10 hectares. This area includes production sites of 7000 m<sup>2</sup>, warehouse areas of 4000 m<sup>2</sup> and laboratory areas of 500 m<sup>2</sup>. Total capacity of Mashhad Temad's facilities is about 150000 liters glass-lined, stainless steel reactors and distillation units.

### • Quality Control

The Quality Control Laboratory is equipped with the most advanced chemical analysis and identification apparatus and equipment, which include HPLC, GC, FT-IR, Spectrophotometer, IMS, Atomic Absorption TLC, Scanner, and Laser Particle Size analyzer. Stringent quality control procedures ensure products of the highest quality as an obligation to the customer.

### The range of export markets



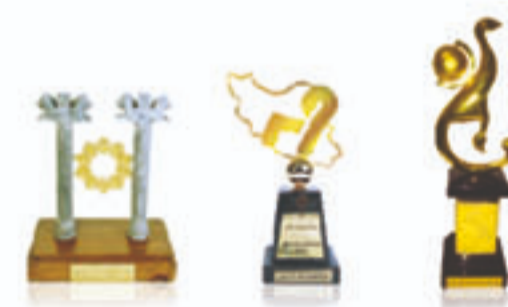
### • Export

Temad is currently exporting million dollars worth of narcotic and non-narcotic products to most Far East countries and various countries in Asia, Europe and Africa. The company has received the best exporter awards from the president of Iran for several years.



Temad  
Active Pharmaceutical Ingredients

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WE THINK OF WORLD CLASS QUALITY

# NOSCAPINE

## Codeine Phosphate

## Buprenorphine Hcl

QMS Certification Services

### • ACTIVE PHARMACEUTICAL INGREDIENTS (API)

API's	CAS No	Quality				Documentation CTD	Export Reference
		EP	USP	BP	JP		
1 Codeine Base	76-57-3	▲	▲	▲	▲	▲	Belgium, Kazakhstan
2 Codeine Phosphate	41444-62-6	▲	▲	▲	▲	▲	Germany, Denmark, India, Taiwan, Thailand, Iraq, Nigeria
3 Noscapine Base/HCl	128-62-1/912-60-7	▲	▲	▲	▲	▲	Japan, Taiwan, China, South Korea, Indonesia
4 Methadone HCl	1095-90-5	▲	▲	▲	▲	▲	Thailand, Switzerland
5 Buprenorphine HCl	53152-21-9	▲	▲	▲	▲	▲	India
6 Morphine Sulphate	6211-15-0	▲	▲	▲	▲	▲	UK, Taiwan, Thailand
7 Morphine HCl	52-26-6	▲	▲	▲	▲	▲	Taiwan, Thailand
8 Opium Tincture 1%,2%	8029-99-0	▲	▲	▲	▲	▲	Czech Republic, Taiwan, New Zealand
9 Naloxone HCl	357-08-4	▲	▲	▲	▲	▲	
10 Oxycodone HCl	124-90-3	▲	▲	▲	▲	▲	Syria
11 Oxymorphone HCl	357-07-3	▲	▲	▲	▲	▲	Switzerland, Bangladesh
12 Pholcodine	509-67-1	▲	▲	▲	▲	▲	Hong Kong, Nigeria
13 Papaverine HCl	61-25-6	▲	▲	▲	▲	▲	India
14 Naltrexone HCl	16676-29-2	▲	▲	▲	▲	▲	China
15 Paracetamol Powder/DC	103-90-2	▲	▲	▲	▲	▲	Iraq, Russia, South Africa
16 Fluvoxamine Maleate	61718-82-9	▲	▲	▲	▲	▲	
17 Hydrocodone Bitartrate	34195-34-1	▲	▲	▲	▲	▲	Colombia, Syria
18 Tramadol HCl	36282-47-0	▲	▲	▲	▲	▲	Pakistan
19 Betamethasone Disodium Phosphate	151-73-5	▲	▲	▲	▲	▲	
20 Dexamethasone Disodium Phosphate	2392-39-4	▲	▲	▲	▲	▲	

### • Pellets

Pellets	CAS No	Quality				Documentation CTD	Export Reference
		EP	USP	BP	JP		
1 Lansoprazole Pellets (8.5%)	103577-45-3	▲	▲	▲	▲	▲	Indonesia
2 Omeprazole Pellets (8.5%)	73590-58-6	▲	▲	▲	▲	▲	Indonesia
3 Pantoprazole Sodium Pellets (15% & 20%)	138786-67-1	▲	▲	▲	▲	▲	---
4 Esomeprazole Pellets (22.5%)	119141-88-7	▲	▲	▲	▲	▲	---

### • FINISHED DOSAGE FORMS

Active Substance	Dosage Form	Strength	Indication	Documentation
				CTD
1 Opium Tincture 1%	Syrup	Morphine 1%	Opioid Use Disorder	▲
2 Methadone HCl	Syrup	Each 5ml contains 25mg	Opioid Use Disorder	▲
3 Methadone HCl	Tablet	20mg & 40mg	Opioid Use Disorder	▲
4 Buprenorphine	Tablet	2mg	Opioid Use Disorder	▲
5 Gualcodin	Syrup	Each 5ml contains Guaifenesin 100mg and Codeine Phosphate 10mg	Anti Cough	▲

### • PHARMACEUTICAL INTERMEDIATES

Item	Product	CAS No	End Use	Step	
1	Noroxymorphone ethyl Carbamate	C19H21NO6	Naltrexone Naloxone Oxymorphone	N - 3 N - 3 N - 3	
2	Noroxycodone ethyl Carbamate	C20H23NO6	Naltrexone Naloxone Oxymorphone	N - 4 N - 4 N - 3	
3	Thebaine	C19H21NO3	115-37-7	Oxycodone Oxymorphone Naltrexone Naloxone Buprenorphine	N - 3 N - 5 N - 7 N - 7 N - 8
4	Norcodeine Ethyl Carbamate	C20H22NO5	Naltrexone Naloxone	N - 8 N - 8	
5	Hydroxycodone	C18H19NO4	508-54-3	Oxycodone Oxymorphone Naltrexone Naloxone	N - 2 N - 4 N - 6 N - 6
6	Noroxycodone (Base & HCl)	C17H19NO4	CAS[Base]: 57664-96-7 CAS[HCl]: 52446-25-0	Naltrexone Naloxone	N - 3 N - 3
7	3-O-Methylnaltrexone	C21H25NO4	16617-07-5	Naltrexone	N - 2
8	3-O,N-(Diethoxycarbonyl)normorphine	C22H25NO7	-----	Naltrexone Naloxone	N - 7 N - 7
9	Normorphinone ethyl Carbamate	C19H19NO5	-----	Naltrexone Naloxone Hydromorphone	N - 6 N - 6 N - 3
10	Normorphine ethyl Carbamate	C19H21NO5	-----	Hydromorphone Naltrexone Naloxone	N - 4 N - 8 N - 8
11	14-Hydroxynormorphinone ethyl Carbamate	C19H19NO6	-----	Naltrexone Naloxone Oxymorphone	N - 4 N - 4 N - 4
12	Noroxymorphone (Base & HCl)	C16H17NO4	CAS[Base]: 33522-95-1 CAS[HCl]: 52446-24-9	Naltrexone Naloxone	N - 2 N - 2
13	Norhydromorphone ethyl Carbamate	C19H21NO5	-----	Hydromorphone	N - 2
14	6-Acetyl dihydrocodeine	C20H25NO4	3861-72-1	Dihydrocodeine Hydrocodone	N - 2 N - 2
15	Thevinone	C23H27NO4	15358-22-2	Buprenorphine HCL	N - 7
16	Dihydrothevinone	C23H29NO4	16196-82-0	Buprenorphine HCL	N - 6
17	Thevinol	C27H39NO4	-----	Buprenorphine HCL	N - 5
18	Endo-ethanonorthebaine	C26H37NO4	-----	Buprenorphine HCL	N - 3
19	Norbuprenorphine	C25H35NO4	78715-23-8	Buprenorphine HCL	N - 2
20	Buprenorphine base	C29H41NO4	52485-79-7	Buprenorphine HCL	N - 1

