



Product Brochure



Dongying Liangxin Petrochemical Technology
Development Limited Company



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Part 1. Company Information

Junyuan Group was established in 2009 with registered capital of 17 million USD. In the past 8 years, Junyuan Group has been continuously developed and expanded, and incorporated 5 subsidiaries including Dongying Junyuan Petrochemical Technology Development Co. Ltd., Dongying Liangxin Petrochemical Technology Development Co. Ltd., Dongying Changyuan Petrochemical Technology Development Co. Ltd., Dongying Junyuan Logistics Co. Ltd. and Sinkiang Liangxin Technology Development Co. Ltd. They have reformed a whole chain in oil refining industry.

The main business covers propane and butane series, pentane series, hexane series, solvent oil series, and aromatic series. It is the largest manufacturer of hydrocarbon solvent, refrigeration solvent and blowing agent in China now.

There are 22 Rectifying columns, 2 Hydrogenation units, 1 De-sulfurization and De-aromatization unit in Junyuan Group. Meanwhile, there are 10 sets of 1,000 m³ Spherical tanks, 30 sets of 3,000m³ average Floating roof tanks and 30 sets of 200m³ average Horizontal tanks. Pentane capacity reach up to 100 kt/a, and hexane 80kt/a, solvent 150 kt/a, Petroleum Benzene 10 kt/a.

JunYuan Group covers 1,000 acres land, more than 500 employees. Up to 2015, the Group's total assets is 200 million USD, fixed assets 13 million USD.

All the production of Junyuan Group is authenticated by the ISO9001, ISO14001 and OHS18001 certification. ROSH, CIQ, CO, SGS, BV and other international approvals have also been achieved.



OHS18001



ISO14001



ISO9001





Part 2. Product Specification

- Propane and butane series
- Pentane series
- Hexane series
- Solvent oil series
- Aromatic series



◆ N-pentane (CAS:109-66-0)

No	Item	Package	MOQ	FOB Qingdao (ref)
1.1	99%N-pentane	20'Iso tank	14MT	/
1.2		125kg/drum 80drums/20'FCL	10MT	/
2.1	95%N-pentane	20'Iso tank	14MT	/
2.2		125kg/drum 80drums/20'FCL	10MT	/
Note: Price changes with crude oil, exchange rate etc.				
Item	Unit	Spec of 99% N-pentane	Spec of 95% N-pentane	Test Method
Appearance	-	Clear/colorless	Clear/colorless	Visual
N-pentane	Wt%	≥99	≥95	GAS CHRO
Iso-pentane	Wt%	balance	balance	GAS CHRO
Hexane and heavier	Wt%	≤0.5	≤0.5	GAS CHRO
Butane and lighter	Wt%	≤0.5	≤0.5	GAS CHRO
Total Sulfur	ppm	≤1	≤1	ASTMD5453
Bromine index	mgBr/100g	≤10	≤50	ASTMD2710
Saybolt Colo	-	+30	+30	ASTMD156
Water	ppm	≤20	≤100	Karl-fisher
Sp. Gr(60F/60F)	-	0.60-0.65	0.60-0.65	ASTMD4052



◆ **Iso-pentane (CAS 78-78-4)**

No	Item	Package	MOQ	FOB Qingdao Price(ref)
3	99%Iso-pentane	20'Iso tank	14MT	/
4	95%Iso-pentane	20'Iso tank	14MT	/
Note: Price changes with crude oil, exchange rate, etc.				
Item	Unit	Spec of 99% Iso-pentane	Spec of 95% Iso-pentane	Test Method
Appearance	-	Clear/colorless	Clear/colorless	Visual
Iso-pentan	Wt%	≥99	≥95	GAS CHRO
Hexane and heavie	Wt%	≤0.5	≤0.5	GAS CHRO
Butane and lighter	Wt%	≤0.5	≤0.5	GAS CHRO
Total Sulfur	ppm	≤1	≤2	ASTMD5453
Bromine index	mgBr/100g	≤10	≤10	ASTMD2710
Saybolt Color	-	+30	+30	ASTMD156
Wate	ppm	≤20	≤20	Karl-fisher
Sp. Gr(60F/60F)	-	0.61-0.65	0.61-0.65	ASTMD4052

◆ **N-hexane(CAS 110-54-3)**

No	Item	Package	MOQ	FOB Qingdao Price(ref)
5.1	99%N-hexane	20'Iso tank	15MT	/
5.2		130kg/drum 80drums/20'FCL	10.4MT	/
6.1	80%N-hexane	20'Iso tank	15MT	/
6.2		130kg/drum 80drums/20'FCL	10.4MT	/
7.1	60%N-hexane	20'Iso tank	15MT	/
7.2		130kg/drum 80drums/20'FCL	10.4MT	/
Note: Price changes with crude oil, exchange rate, etc.				



Item	Unit	Specs of 99% N-hexane	Specs of 80% N-hexane	Specs of 60% N-hexane	Test Method
Appearance	-	Colorless	Colorless	Colorless	Visual
Saybolt Color	-	+30	+28	+28	ASTMD156
Sp. Gr(60F/60F)	-	0.65-0.68	0.66-0.68	0.66-0.68	ASTMD4052
N-hexane	Wt%	≥99	≥80	≥60	GAS CHRO
Benzene	ppm	≤10	≤10	≤30	GAS CHRO
Initial Distillation Point IBP	°C	≥67	≥66.5	≥66	ASTMD86
Dry Distillation Point EP	°C	≤69	≤70	≤70	ASTMD86
Sulfur	ppm	≤1	≤1	≤1	ASTMD5453
Bromine Index	mgBr/100g	≤10	≤10	≤30	ASTMD2710
Water	ppm	≤100	≤100	≤100	Karl-fisher

◆ Solvent Oil

No	Item	Package	MOQ	FOB Qingdao Price(ref)
8	6#	20'Iso tank	15MT	/
9	120#	20'Iso tank	15MT	/
10	200#	20'Iso tank	17MT	/
Note: Price changes with crude oil, exchange rate, etc.				

Item	Unit	Specs of 6#	Specs of 120#	Specs of 200#	Test Method
Appearance	-	Colorless	Colorless	Colorless	Visual
Saybolt Color	-	+28	+28	+28	ASTMD156
Sp. Gr(60F/60F)	-	0.65-0.678	≤0.72	≤0.78	ASTMD4052
Aromatics	ppm	≤500	≤500	≤500	GAS CHRO
Initial Distillation Point IBP	°C	≥60	≥81	≥140	ASTMD86
Dry Distillation Point EP	°C	≤76	≤119	≤195	ASTMD86
Sulfur	ppm	≤1	≤1	≤1	ASTMD5453
Bromine Index	mgBr/100g	≤10	≤10	≤10	ASTMD2710



Part 3. Products Quality Control

Purchasing Department

Strict and clear specification is required when purchasing order is made.

No entrance is permitted without acceptance signed by Acceptance Department.

Manufacturing Department

Producing strictly apply to Operating Instructions to ensure quality.

Raw materials without qualified COA are not permitted to use.

Products without qualified COA are not permitted to sale.

Quality Control

Inspection strictly according to operation instructions.

Hold meeting, solve problems and complains in time.

Strict testing apply to Operating Instructions to ensure exactness.

Testing according to ASTM.

Equipment Department

Equipment maintenance strictly according to operation instructions.

24 hours Patrol inspection is required.

Sales Department

Unqualified Products is not permitted to leave from the factory.

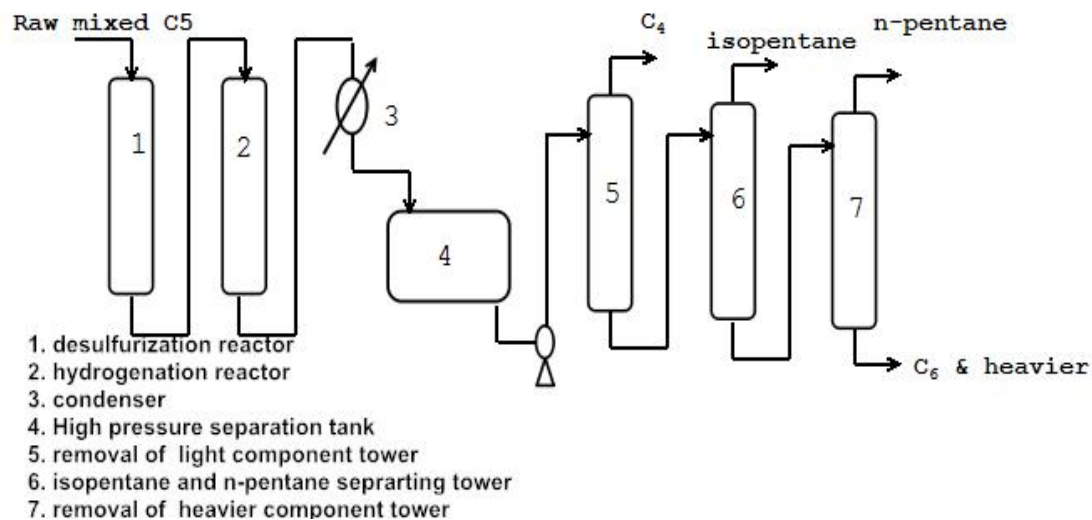
Deal with quality objections and customer complaints.



Part 4. Technical Service

1. Free samples available for testing.
2. Production according to Contract requirement.
3. Testing according to required methods, all specs meet order requirements.
4. Any quality issues within warranty period, we should have responsibilities.
5. Any complains, response will be made within 24 hours by company, by local agencies, or technician support on site if requested.

Production Flow Chart





Part 5. Testing Center

Famous instruments as Agilent, Mettler etc./Test according to International Methods/24 hours opening





Part 6. Product Package

Package A: 200 Liter/drum, 80 drums/20'FCL



Package B: 24 Cubic meters per 20' Iso-tank





Part 7. Storage & Loading Service

Storage Capacity

- ◆ 30 sets of Floating roof tanks (3,000 CBM/tank)
- ◆ 10 sets of Spherical tanks (1,000 CBM/tank)
- ◆ 30 sets of Horizontal tanks (200 CBM/tank)



Loading Platform

- ◆ 13 loading docks /24 hours loading





Part 8. Reference List

Application	Product	VIP Customer	URL
As Foaming agent in EPS, PIR, etc foam production	Pentane	LIHUAYI Group	http://www.lihuayi.com/index.asp
		YUHUANG Group	http://www.yuhuanghuagong.com/
		Xinda Foam	http://www.xingdagroup.com.cn/
		Loyal Group	http://www.loyalgroup.com/
		Xinjiang Bule Ridge Tunhe Chemical	http://www.lanshantunhe.com/
As Induced Catalyst in Ethylene Plant	Iso-pentane	CNPC	http://www.cnpc.com.cn/en/
		Sinopec	http://www.sinopec.com/
		Sabic	http://www.sabic.com/corporate/en/
		China Coal	http://www.chinacoal.com/
As Working medium in Geothermal Plant	Pentane	Ormat	http://www.ormat.com/
		Energy	http://www.energy.com.ph/
As Catalyst in Rubber Plant	Hexane	Sinopec	http://www.sinopec.com/
As Extraction solvent in Oil Extraction	Hexane, 6# solvent oil	Xiwang Group	http://www.xiwang.cn/index.html
		Yuwang Group	http://www.yuwangcn.com/
		Three Star Group	http://www.chinasanxing.cn/
As solvent in pharmaceutical intermediates	Hexane	Xunon	http://xunon.com.cn/
		Kehong Chemical	http://www.dykehong.com/
Cleaning solvent	6# solvent oil	China national ship building and materials	http://www.scmem.com.cn/
Adhesive solvent	6# solvent oil	Evergain Adhesive	http://www.changqingshu.net/Default.aspx
Rubber solvent	120# solvent oil	Wuyang	http://www.wuyangchem.com/index.html
Painting solvent	200# solvent oil	Lehua Group	http://www.lehua-china.com/index.html

