

Certificate of Analysis

Cyclopentane (70%)/Isopentane (30%)

Pentane	Pentane 70/30
Spec. No.	JPG10063056
Effective Date	07/06/2016

Property	Unit	Method	Min	Max	Test Result
Appearance	None	Visual	Clear		Clear
Color, Saybolt	None	ASTM D156	30		30
Density at 15°C	kg/L	ASTM D4052	0.6270	0.6320	0.6298
Density at 30°C	kg/L	ASTM D4052	Report		
Distillation, IBP	°C	ASTM D1078	Report		
Distillation, DP	°C	ASTM D1078	Report		
Cyclopentane	%wt.	GC	68	72	69.9277
Isopentane	%wt.	GC	27	33	29.2230
C1-C4	(wt) %	GC		1.5	0.2745
n-Pentane	(wt) %	GC		1.5	0.2830
C6 and above	(wt) %	GC		1.5	0.2918
Total Pentane	%wt.	GC	98.0		100
Aromatics	%wt.	GC		0.001	Not Found
Benzene	ppm.wt.	GC		0.01	Not Found
Bromine Index	mgBr/100g	ASTM D2710		100	90
Water	ppm.wt.	SH/T0246		50	40
Sulfur	ppm.wt.	Q/SHH008-2000		5.0	2.0

Notes : Junyuan Petroleum Group reserves the right to change the information contained herein without notice.

