

## Certificate of Analysis

### n-Hexane, 60%

DOT Classification	Hexane Flammable Liquid	Report #	DO20180923231756	
CAS No.	110-54-3	Customer #	20180923SINOPEC	
UN No.	1208	Report Date	09/23/2018	
(Lot SINOP638156)				
Item	Unit	Specification	Test Result	Test Method
Appearance	-	Colorless	Colorless	Viaual
Color saybolt	-	+28min	+30	ASTMD156
Sp. Gr(60F/60F)	-	0.66-0.68	0.662	ASTMD4052
n-Hexane	Wt%	60 min	63%	GC
Benzene	ppm	30max	<3	GC
Intial Distillation Point   IBP	°C	65min	65.5	ASTMD86
Dry Distillation Point   EP	°C	70 max	69.5	ASTMD86
Sulfur	ppm	1 max	<1	ASTMD5453
Bromine Index	mgBr/100g	30 max	<5	ASTMD2710
Nonvolatile Matter	mg/100ml	1max	None detected	ASTMD1353
Water Content	ppm	100 max	50	Karl-fisher
Total C <sub>6</sub> Hidrocarbons C6	%	96%	93%	SH/T 0714
Sum of C <sub>7</sub> + Hidrocarbons	%	8%	7%	SH/T 0714
Sum of C <sub>5</sub> - Hidrocarbons			0	SH/T 0714
Total Aromatics Amount	ppm	≤33 ppm	≤30 ppm	SH/T 0714
Carbonyl Groups	ppm	≤11 ppm	≤10 ppm	SH/T 0663
Peroxides		0	0	GB/T 32102
Non-volatiles Residue	mg/100ml	2mg/100ml	≤1mg/100ml	GB/T 6324.2
I CERTIFY THE ABOVE STATEMENT OF QUALITY TO BE TRUE AND CORRECT.				
Quality Control Approval				
<i>Dou Huangji</i>				