



**Tabriz Petroleum  
of Aras Free Zone**  
*Resilience in Every Barrel We Refine*

## Technical Data Sheet

# Desulfurated Light Hydrocarbon from the First Cut of South Pars/north dome Gas Condensate Sweetened

Rev.: 2022/10

TPA/001732

No.	Properties	Unit	Raw material: Sour condensates of South Pars		First cut (light): Extraction rate 60-65% by weight		Second cut (heavy): Extraction rate 35-40% by weight		Ref. Test Method
			Min	Max	Min	Max	Min	Max	
1	Density @ 15°C	Kg/m <sup>3</sup>	735	746	690	725	790	810	ASTM D4052/D1298/D7042
2	Flash point – Closed Cup	°C	Free	Free	Free	Free	27	70	ASTM D93
3	Total Sulphur	Wt%	0.15	0.32	0.3	0.39	0.19	0.26	ASTM D5453/D4294
4	Mercaptan content	ppm	1000	2300	1200	3100	400	1000	ASTM D3227-UOP163
5	Benzene	vol%	-	2	-	3	-	-	ASTM D6839/D6277/D6730/D6729
6	Aromatic Content	vol%	-	16	-	15	-	-	ASTM D1319/D6839/D5986/D5580
7	I.B.P	°C	38	44	34	44	129	177	ASTM D86
8	5%	°C	47	62	43	59	143	186	ASTM D86
9	10%	°C	52	72	46	67	149	192	ASTM D86
10	20%	°C	71	83	54	76	158	204	ASTM D86
11	30%	°C	85	103	62	88	168	217	ASTM D86
12	40%	°C	100	113	70	94	178	226	ASTM D86
13	50%	°C	117	140	79	103	191	235	ASTM D86
14	60%	°C	137	163	88	113	205	245	ASTM D86
15	70%	°C	159	186	98	123	220	256	ASTM D86
16	80%	°C	189	212	110	135	239	282	ASTM D86
17	90%	°C	222	251	125	167	267	297	ASTM D86
18	95%	°C	249	304	140	184	291	319	ASTM D86
19	F.B.P	°C	297	320	168	220	330	342	ASTM D86
20	Residue	vol%	0.5	1	0.5	1	0.5	1	ASTM D86
21	Loss	vol%	0	0	0	0	0	0	ASTM D86
22	Recovery	vol%	99.5	99	99.5	99	99.5	99	ASTM D86



 [www.tabrizpetroleum.org](http://www.tabrizpetroleum.org)

 [info@tabrizpetroleum.org](mailto:info@tabrizpetroleum.org)

 +9841 3320 1590-2

 +9841 3320 1591

PLANT ADD: HEAVY INDUSTRIES SITE, AVOGLHI ROAD, ARAS FREE ZONE, JOLFA, IRAN

OFFICE ADD: No.3, F3, VALIASR TRADING COMPLEX, QANUN ST., VALIASR, TABRIZ, IRAN