

BASE ISOPARAFFIN OIL TATNEFT HVI-2

TU 38.401-58-416-2014

MAIN QUALITY SPECIFICATIONS					
№	Indexes of quality	Unit	Normative Requirements	Actual values	Test Method
1	Kinematic Viscosity	mm ² /s			ASTM D 445
	at 100°C		max 2,6	2,6	
	at 50°C		max 9	7,0	
	at 40°C		max 12	9,0	
	at minus 30°C		max 1200	conforms	
2	Viscosity Index	mm ² /s	min 100	109	GOST 25371
3	Density at 15°C	kg/m ³	max 895	822	GOST R 51069
4	Flash Point	°C	min 135	178	ISO 2719
5	Flash Point	°C	-	181	ASTM D 92
6	Pour Point	°C	not above minus 45	minus 46	GOST 20287 (method A)
7	Mechanical impurities content	wt %	none	none	GOST 6370
8	Water Content	%	none	none	GOST 2477
9	Colour	%	max 1,0	0,5	ASTM D 1500
10	Acid Number	mg KOH/gr	max 0,01	0,00	ASTM D 974
11	Sulphur Content	%	-	0,00	ASTM D 4294
12	Corrosive Sulphur		none	none	GOST R 55494
13	Copper Strip Corrosion Test	%	endure	endure	ASTM D 130
14	Carbon content in aromatic rings	%	max 3,0	conforms	GOST 28640
15	Dielectric loss tangent at 90°C	%	max 0,5	0,0	ASTM D 924
16	Breakdown voltage after sample preparation	kV	min 70	75,6	GOST R MEK 60156
17	Oxidation stability after adding 0,4 % Butylated hydroxytoluene				GOST 981 with 5.4
	*mass of volatile low molecular weight acids	mg KOH/gr	max 0,04	conforms	
	*mass fraction of sediment	%	max 0,015	conforms	
	*acid number	mg KOH/gr	max 0,1	conforms	
18	Content of selective solvents	%	-	none	GOST R 52532