



U. S. Oil & Refining Co.

3001 Marshall Avenue, Tacoma, Washington, 98421 (253) 383-1651

Product Specification Isomerate

Properties	ASTM Test Method	Typical Range
Gravity, °API	D 4052	82.0 – 84.0
Gum Content, mg/100 mL, unwashed	D 381	<1.0
Oxidation Stability, minutes	D 525	>120
Corrosion @122 °F, rating	D 130	1A
Benzene, Volume %	D 3606	<0.1
Distillation, °F IBP	D 86	93 – 103
10 % Evaporated		105 – 115
20 % Evaporated		110 – 120
50 % Evaporated		120 – 125
90 % Evaporated		150 – 155
End Point		190 - 240
Hydrocarbon Type, Volume %	D 6729	
n-Paraffin		27-29
i-Paraffin		58-60
Olefins		<0.1
Naphthene		12-15
Aromatics		<0.3
Research Octane	D 2699	77.0-79.0
Motor Octane	D 2700	74.0-76.0
R + M/2		76.0-78.0
Reid Vapor Pressure, psia	D 5191-01	11.5 – 12.5
Sulfur, ppmw	D 5453	<0.1 - 1.0