

# Schedule

CCIC Singapore Pte Ltd  
26 Ayer Rajah Crescent #01-04  
Singapore 139944

Certificate No. : LA-2007-0402-A  
Issue No. : 1  
Date : 10 December 2007  
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## SCOPE OF ACCREDITATION

FIELD OF TESTING : Chemical & Biological Testing

MATERIALS/ PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS/ TECHNIQUES/ EQUIPMENT
A. Naphtha	1. Distillation on Petroleum Products	ASTM D 86-07a
	2. Density, Specific Gravity or API Gravity	ASTM D 1298-99 (2005)
	3. Density	ASTM D 4052-96 (2002)e1
	4. Sulfur	ASTM D 4294-03
	5. Vapor Pressure (Mini Method)	ASTM D 5191-07
	6. Paraffin, Naphthene and Aromatics by Gas Chromatography	ASTM D 5443-04
B. Mogas	1. Distillation on Petroleum Products	ASTM D 86-07a
	2. Density, Specific Gravity or API Gravity	ASTM D 1298-99 (2005)
	3. Density	ASTM D 4052-96 (2002)e1
	4. Vapor Pressure of Petroleum Products (Mini Method)	ASTM D 5191-07
	5. Oxygenates, Paraffin, Olefin, Naphthene, Aromatic (O-PONA) by Gas Chromatography	ASTM D 6293-98 (2003)e1
	6. Hydrocarbon Types, Oxygenated Compounds and Benzene (O-PONA) by Gas Chromatography	ASTM D 6839-02

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MATERIALS/ PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHOD/ TECHNIQUES / EQUIPMENT
C. Crude	1. Sediment by Extraction	ASTM D 473-07
	2. Density, Specific Gravity or API Gravity	ASTM D 1298-99 (2005)
	3. Sulfur	ASTM D 4294-03
	4. Density	ASTM D 5002-99 (2005)
D. Kerosene/ Jet A-1	1. Distillation on Petroleum Products	ASTM D 86-07a
	2. Color Saybolt	ASTM D 156-07
	3. Density, Specific Gravity or API Gravity	ASTM D 1298-99 (2005)
	4. Freezing Point	ASTM D 2386-06
	5. Mercaptan Sulfur (0.0003-0.01% wt)	ASTM D 3227-04a
	6. Density	ASTM D 4052-96 (2002)e1
	7. Sulfur	ASTM D 4294-03
	8. Appearance	CCICSOP0001
	9. Flash Point - Abel	IP170/99
E. Diesel/ Gas Oil	1. Appearance	CCICSOP0001
	2. Distillation on Petroleum Products	ASTM D 86-07a
	3. Flash Point	ASTM D 93-07 ISO 2719-02
	4. Water by Distillation	ASTM D 95-05e1 ISO 3733-99
	5. Pour Point	ASTM D 97-06 ISO 3016-94
	6. Copper Corrosion	ASTM D 130-04e1
	7. Heat of Combustion	ASTM D 240-02 (2007)

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	8. Kinematic Viscosity	ASTM D 445-06 ISO 3104-94
	9. Sediment by Extraction	ASTM D 473-07 ISO 3735-99
	10. Ash Content	ASTM D 482-03 ISO 6245-01
	11. Density, Specific Gravity or API Gravity	ASTM D 1298-99 (2005) ISO 3675-98
	12. Cloud Point	ASTM D 2500-05 ISO 3015-92
	13. Density, Specific Gravity or API Gravity	ASTM D 4052-96 (2002)e1 ISO 12185-96
	14. Sulfur	ASTM D 4294-03 ISO 8754-03
	15. Micro Carbon Residue	ASTM D 4530-06e1 ISO 10370-93
	16. Calculated Cetane Index	ASTM D 4737-04 ISO 4264-95
F. Fuel Oil	1. Flash Point	ASTM D 93-07 ISO 2719-02
	2. Water by Distillation	ASTM D 95-05e1 ISO 3733-99
	3. Pour Point	ASTM D 97-06 ISO 3016-94
	4. Copper Corrosion	ASTM D 130-04e1
	5. Heat of Combustion	ASTM D 240-02 (2007)
	6. Kinematic Viscosity	ASTM D 445-06 ISO 3104-94

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MATERIALS/ PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHOD/ TECHNIQUES / EQUIPMENT
	7. Sediment by Extraction	ASTM D 473-07 ISO 3735-99
	8. Ash Content	ASTM D 482-03 ISO 6245-01
	9. Total Acid Number	ASTM D 664-07
	10. Density, Specific Gravity or API Gravity	ASTM D 1298-99 (2005) ISO 3675-98
	11. Sulfur	ASTM D 4294-03 ISO 8754-03
	12. Micro Carbon Residue	ASTM D 4530-06e1 ISO 10370-93
	13. Total Sediment	ASTM D 4870-07a ISO 10307-93
	14. Total Sediment	IP 375/99 ISO 10307/1-93
	15. Total Sediment (Accelerated/Potential)	IP 390/94 ISO 10307/2-93
	16. Metals (Al, Si)	IP 377/95 ISO 10478-94
	17. Metals (Na, V, Al, Fe, Si, Ca, Zn, Ni, P)	IP 501/05

Approved Signatories

Mr Freddy Oh ) All accredited tests  
Mr Daniel Guan )  
Ms Madeleine Wang )