



Certificate No. 01637/ALBFAM
Date: July 23, 2019



SUCOFINDO

Issuing Office:

Jl. Sukarno Hatta No 217 Bandung 40233, Indonesia
Phone/Fax: +62 22 6030262/6034549
Email: bandung@sucofindo.co.id

REPORT OF ANALYSIS

PRINCIPAL : PT. SINERGI GLOBAL MANDIRI
Jl. Raya Laswi No. 758, Ciparay
Kabupaten Bandung

SUBJECT : MFO

DATE OF RECEIVED : July 1, 2019

DATE OF ANALYSIS : July 5 up to 17, 2019

TESTED FOR : As order

DESCRIPTION OF SAMPLE : Sample was submitted by client
- Packing : Unsealed glass bottle
- Volume : ± 2 Liter

IDENTIFICATION SAMPLE : MINYAK BAKAR

Parameter	Unit	Results *)	Requirement **		Methods
			MFO 1		
			Min	Max	
Density @ 15°C	kg/m ³	861.1	-	991	ASTM D.4052-18
Kinematic Viscosity @ 50°C	mm ² /s	9.147	-	180	ASTM D.445-18
Sulfur Content	% wt	0.390	-	4.5	ASTM D.4294-16
Pour Point	°C	- 12	-	30	ASTM D.97-16
Flash Point PMcc	°C	75.0	60	-	ASTM D.93-18
Conradson Carbon Residue	% wt	0.03	-	16	ASTM D.189-06 (2014)
Ash Content (on 10 g)	% wt	0.002	-	0.10	ASTM D.482-13
Sediment Content	% wt	0	-	0.10	ASTM D.473-07 (2017)
Water Content	% vol	Below 0.05	-	1.0	ASTM D.95-13 (2018)
Vanadium (V)	mg/kg	Below 0.011	-	200	ICP
Aluminium (Al) + Silocon (Si)	mg/kg	5.33	-	80	ICP
Calorific Vale, Gross	BTU/lb	19500	-	-	ASTM D.240-17

*) Results based on Laboratory of Sucofindo Cibitung

**) SK Dirjen Migas No.14499K/14/DJM/2008

This Certificate/report is issued under our General Terms and Conditions, copy of which is available upon request or may be accessed at www.sucofindo.co.id

Note : The test result (s) related to the sample (s) submitted only and the report/certificate cannot be reproduced in any way, except in full context and with the prior approved in writing from Sucofindo laboratory.

4101011900702 2



3290424

SCI-2007A