

Date: 13/May/2024

THIEN KIM BIO ENERGY CO., LTD

Certificate of Analysis: NR24-00718.001

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the below results. Users of analytical results, when establishing conformance with commercial or regulatory requirements should note the full provisions of ASTM D3244, IP 367 and ISO 4259 in that context, the default confidence level of petroleum testing having been set at the 95% confidence level. Your attention is specifically drawn to Sections 7.3.6., 7.3.7 and 7.3.8 of ASTM D3244. With respect to the UOP methods listed in the report below the user is referred to the method and the statement within it specifying that the precision statements were determined using UOP Method 999. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

CLIENT ORDER NUMBER :	SGS ORDER NO.:	2000060
LOCATION : VINH CUU, DONG NAI, VIETNAM	PRODUCT DESCRIPTION :	CNSO
SAMPLE SOURCE : Shore Tank	SOURCE ID :	T-300A
SAMPLE TYPE : Composite (UML)	SAMPLE BY :	SGS
SAMPLED : 06/May/2024	RECEIVED :	06/May/2024
ANALYSED : 10/May/2024	COMPLETED :	10/May/2024
SEAL NO: Q5770344 (Seal of SGS Vietnam)		

PROPERTY	METHOD	RESULT UNITS
Density at 15°C - in Vacuum §	ISO 12185:1996	0.9526 g/cm³
Kinematic Viscosity at 50°C	ISO 3104:2020	33.75 mm²/s
Sulfur	ISO 8754:2003	0.036 % (m/m)
Total Sediments by hot filtration (Existent) - TSE	ISO 10307-1:2009	0.02 % (m/m)
Acid Number (Inflection end-point)	ASTM D664-18e2	3.7 mg KOH/g
Calculated Carbon Aromaticity Index	ISO 8217:2017 (Annex F)	845 ---
Flash Point-Pensky-Martens Closed Cup	ISO 2719:2016	
Pensky Martens Flash Point (Closed cup)		219.0 °C
Procedure B		
Pour Point	ISO 3016:2019	<-42 °C
Water Content	ISO 3733:1999	0.20 % (V/V)
Carbon Residue - Micro Method	ISO 10370:2014	1.74 % (m/m)
Ash	ISO 6245:2001	<0.010 % (m/m)
Hydrogen Sulfide	UOP 163:2010	<1 mg/kg
Free Fatty Acid (as Oleic Acid)	ISO 660:2020	1.9 % (m/m)
Vanadium	IP 501/05(2019)	1 mg/kg
Sodium	IP 501/05(2019)	2 mg/kg
Aluminium	IP 501/05(2019)	<5 mg/kg
Silicon	IP 501/05(2019)	<10 mg/kg
Aluminium + Silicon	IP 501/05(2019)	<15 mg/kg
** End of Analytical Results **		

§ - Analyte not in published method scope

FOR & ON BEHALF OF SGS VIETNAM LTD AUTHORIZED SIGNATORY



LE DANG
CS/Report Supervisor
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NGHIEM XUAN DAT
OGC Lab Technical Manager

Your feed back is the key to our
to our improvement.



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