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**BUREAU
VERITAS**



Certificate of Analysis

Our ref	BEANTJ24110631-XXIV1803788	Asset	Submitted Sample
Location	Not specified	Seals	None
Product	Additive	Packed	Plastic
Reference id	XBEE	Submitted by	Client
Sample received	07-10-2024	End of analysis	09-10-2024
Subject	Submitted samples		
Sample from	Sample as received		

Test	Method	Unit	Result
Density at 15 °C (a)	EN ISO 12185	kg/m ³	796.4
Viscosity at 40 °C (a)	EN ISO 3104	mm ² /s	1.792
Water KF-Coulometric	ASTM D6304	%v/v	0.0042
Micro Carbon Residue	EN ISO 10370	% m/m	0.02
Sulphur (UVF) (a)	EN ISO 20846	mg/kg	<3
Total Sediments - Existent	ISO 10307-1	% m/m	<0.01
Total Sediments - Potential	ISO 10307-2	% m/m	<0.01
Total Sediments - Accelerated	ISO 10307-2	% m/m	<0.01
Ash content	ISO 6245	% m/m	0.001
Elemental Analysis	IP 501		-
_Vanadium (V)		mg/kg	<1
_Sodium (Na)		mg/kg	<1
_Aluminium (Al)		mg/kg	<5
_Silicon (Si)		mg/kg	<10
_Iron (Fe)		mg/kg	<2
_Nickel (Ni)		mg/kg	<1
_Calcium (Ca)		mg/kg	<3
_Magnesium Mg)		mg/kg	<1
_Lead (Pb)		mg/kg	<1
_Zinc (Zn)		mg/kg	<1
_Phosphorus (P)		mg/kg	<1
_Potassium (K)		mg/kg	<1
Pour Point (a)	ISO 3016	Deg C	-36
Flash Point PM (a)	EN ISO 2719	Deg C	82.5
Asphaltenes	ASTM D3279	% m/m	<0.01

AUTHORIZATION

Certified to ISO 9001
Trade Register Antwerp 333.309
VAT nr. BE 0465.326.123

Cynthia Bresseleers (Submitted Analysis Coordinator)

All tests marked by (a)
are accredited by
BELAC ref. 486-TEST
ISO/IEC 17025



All services are rendered in accordance with Bureau Veritas's General Terms and Conditions of Business, available on request or at <https://commodities.bureauveritas.com/general-conditions-service>.
Laboratory Measurement Uncertainties are not taken into account for the evaluation of specification limits.

Method Validation data is available upon request.

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p.1/2

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Test	Method	Unit	Result
Acid number	ASTM D664	mg KOH/g	0.01
Carbon content (A) (s)	ASTM D5291 C	% m/m	85.4
Hydrogen content (A) (s)	ASTM D5291 C	% m/m	14.6
Oxygen content (A) (s)	ASTM D5291 C	% m/m	<0.1
Nitrogen content	ASTM D4629	mg/kg	0.4

Unless specified, the latest version at our disposal of the test methods has been used.
The results relate only to the items tested.

Remarks:

(s) Analysis Subcontracted to other Bureau Veritas Lab

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p.2/2