



Report of Analysis

BEL2730
 HVE Wood Pelletting
 SA, South Africa

Company Contact: Wiebe

BEL ID Number: BEL220292-1
Product / Commodity: Wood Pellets
Sample Designation: Wood Pellets - B
Date Sampled:

Sample Weight (kg): 5.10
Sample Received: 1/31/2022
Report Date: 3/22/2022
Report Code:
Purchase Order #:

Parameter	As-Received	Dry Basis	Analytical Method
Total Moisture (%)	8.92		ISO 18134-1
Ash (%)	0.51	0.56	ISO 18122
GCV (GJ/Tonne)	18.59	20.41	ISO 18125
NCV cV (GJ/Tonne)	17.25	19.17	ISO 18125
NCV cP (GJ/Tonne)	17.18	19.10	ISO 18125
Carbon (%)	46.56	51.12	ISO 16948
Hydrogen (%)	5.48	6.02	ISO 16948
Nitrogen (%)	0.20	0.22	ISO 16948
Oxygen (%)	38.32	42.07	ISO 16948
Sulfur (%)	0.01	0.01	ISO 16994
Chlorine (%)	0.018	0.020	ISO 16994

Parameter	Oxidizing	Analytical Method
Shrinkage Starting Temperature - SST (°C)	1060	CEN/TS 15370-1 (815°C)
Deformation Temperature - DT (°C)	1240	CEN/TS 15370-1 (815°C)
Hemispherical Temperature - HT (°C)	1250	CEN/TS 15370-1 (815°C)
Flow Temperature - FT (°C)	1250	CEN/TS 15370-1 (815°C)

Parameter	Result	Analytical Method
Bulk Density (kg/m³)	615	ISO 17828
Pellet Diameter Mean (mm)	6.25	ISO 17829
Pellet Diameter Std Dev	0.25	ISO 17829
Pellet Length Mean (mm)	13.96	ISO 17829
Pellet Length Std Dev	4.95	ISO 17829
Wt % > 40 mm	0.00	ISO 17829
Number of Pellets > 45 mm	0	ISO 17829
Durability Index	96.2	ISO 17831-1

Prepared By:

David Robles - Laboratory Manager

Results shown on this certificate represent only the quantity of sample which was submitted for analysis. BEL does not assume responsibility for selection, representation, and/or sample identifications. Analysis are carried out within the scope of Principal's instructions and with due care and skill. Claims in respect of services provided will be considered only if based upon failure to take due care proven by the Principal. Liability shall in no circumstances whatsoever exceed a total aggregate sum equal to 10 (ten) times the amount of the fee paid for the respective services to which the liability relates or from which it has arisen. This Certificate is not intended to relieve the parties to any relevant sales contract from their contractual obligations.



Report of Analysis

BEL2730
HVE Wood Pelletting
SA, South Africa

Company Contact: Wiebe

BEL ID Number: BEL220292-1
Product / Commodity: Wood Pellets
Sample Designation: Wood Pellets - B
Date Sampled:

Sample Weight (kg): 5.10
Sample Received: 1/31/2022
Report Date: 3/22/2022
Report Code:
Purchase Order #:

Method Description:
Determination of Carbon, Hydrogen, and Nitrogen via High-Temperature Elemental Analysis.

Method Code:
ISO 16948

Method Description:
Determination of Sulfur via High-Temperature Elemental Analysis.

Method Code:
ISO 16994

Method Description:
The 5L Container was used for Method ISO17828

Method Code:
ISO 17828

Prepared By:

David Robles - Laboratory Manager

Results shown on this certificate represent only the quantity of sample which was submitted for analysis. BEL does not assume responsibility for selection, representation, and/or sample identifications. Analysis are carried out within the scope of Principal's instructions and with due care and skill. Claims in respect of services provided will be considered only if based upon failure to take due care proven by the Principal. Liability shall in no circumstances whatsoever exceed a total aggregate sum equal to 10 (ten) times the amount of the fee paid for the respective services to which the liability relates or from which it has arisen. This Certificate is not intended to relieve the parties to any relevant sales contract from their contractual obligations.