

PRODUCT INFORMATION

Technical Data sheet - Mesocarp Fibre (MCF)



MCF is a non-hazardous, biodegradable material that is produced from empty fruit bunches. It is a fibrous oily pulp that surrounds the nut and is covered by a thin smooth skin (exocarp). MCF also can be referred as palm-pressed fiber. The residue remaining after extraction, known as palm-pressed fiber, contains approximately 5-6% residual oil, including high contents of minor components such as carotenoids, tocopherols, tocotrienols, phytosterols, and squalene. Traditionally oil palm MCF is either used in mulching or incinerated.

PARAMETERS	UNITS	VALUES*	ACCURACY
- Moisture	%	37.00	±2.06%
Proximate analysis (Dry Basis)			
- Ash content	%	6.10	±0.94%
- Volatile matter	%	84.91	±0.42%
- Fixed carbon	%	8.99	
Ultimate analysis (Dry Basis)			
- Carbon	%	46.40	±1.29%
- Hydrogen	%	9.28	±0.14%
- Nitrogen	%	0.39	±0.06%
- Sulphur	%	<0.01	
- Oxygen	%	50.21	±6.43%
Selected elements (Dry Basis)			
- Chloride	%	0.02	
- Potassium	%	0.09	
- Silica	%	5.39	
Energy and power (Dry Basis)			
- Higher Heating Value	MJ/kg	19.06	±3.20%
	kcal/kg	4,552	
- Lower Heating Value	MJ/kg	17.03	
	kcal/kg	4,069	
- Density (ARB)	kg/m ³	352	
- LHV Energy density	MJ/m ³	5,993	
- Thermal power based upon 100 tpd and LHV	MWth	19.72	

* All values are indicative. Product will be supplied on a certificated basis.

Supply is based upon FOB Kalimantan Port or Sumatra Port - Indonesia

Minimum order : 1000 dry tonnes

Payment Terms: 50% T/T in advance and Balance against B/L copy (Payment by L/C acceptable for amounts above USD15,000)

Standard shipping documents supplied: Bill of Lading, Invoice, Packing list, Certificate of Origin.

All palm plantation biomass sources are either RSPO or ISCC certified. Where appropriate, Organics will support qualifying plantations and mills to attain the highest levels of visible compliance in such matters.



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Bulk shipments may be supplied either FOB or DDP.

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