

Pure-Flo® | B80

TECHNICAL DATA SHEET

DESCRIPTION

Pure-Flo® B80 is our most recommended product for bleaching palm oil. It is a highly active, natural bleaching earth that offers excellent color and metals removal to help meet the most demanding processing specifications. B80 helps minimize the formation of 3-MCPD esters in deodorized palm oil and meets the Malaysian Palm Oil Board recommendation to use natural clays with neutral pH values. No matter how challenging the feedstock, refineries around the world have chosen Pure-Flo B80 for its versatility in producing high quality palm oil.

BENEFITS

- Especially suited for palm oil refining
- Excellent metals adsorption (P, Ca, Fe, Mg, Ni, etc.)
- Removes color bodies and pigments
- Removes soaps and phospholipids
- Minimizes the formation of 3-MCPD esters in deodorized palm oil
- Minimizes free fatty acid rise during bleaching
- Does not contain mineral acid, which can damage oil during bleaching
- Favorable filtration characteristics, including long filtration cycles and less pressure build up at cycle end

REGULATORY APPROVALS

All Pure-Flo products are classified as processing aids and have Generally Recognized As Safe (GRAS) status from the Food and Drug Administration (FDA).

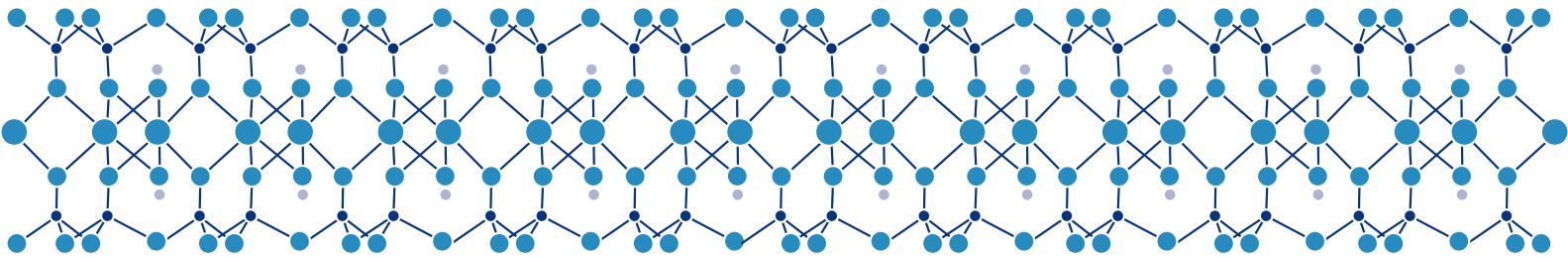
TYPICAL PROPERTIES

FAMILY Bleaching Earth	PURE-FLO B80
FREE MOISTURE Wt. % @ 105°C	15
pH 5% solids in D.I.H ₂ O	7.2
TAMPED DENSITY	43.0 lbs./ft ³ 688 g/L
PARTICLE SIZE U.S. Standard Sieve Through 325 Mesh (<45 Microns) wt. %	83

TYPICAL COMPOSITION

The determination of elemental analysis is performed by X-Ray Fluorescence (XRF). Typical values for elemental analyses expressed as their oxides (dry matter basis) are as follows:

COMPOUND	Wt%	COMPOUND	Wt%
SiO ₂	70	K ₂ O	1.5
Al ₂ O ₃	13	Na ₂ O	0.2
MgO	7	Trace Compounds	1
Fe ₂ O ₃	5	Total	100
CaO	2.3		



TECHNICAL SERVICE & SUPPORT

Technical support includes accessibility to Oil-Dri's research and development group and our state-of-the-art testing facilities, in-plant trials and a wealth of industry expertise.

Oil-Dri recognizes that equipment, procedures and conditions interact with crude oil type and quality to make every process unique, and we'll help you optimize your processes and products.

PACKAGING & TRANSPORTATION

Pure-Flo B80 adsorbent is available in bulk pneumatic, bulk bag containment or a variety of bag sizes. Shipments are made by truck, rail or shipping container. Packaged product is palletized and unitized. Oil-Dri can arrange for transportation or customer pickup. Point of origin is Ochlocknee, Georgia, U.S.A.

DISCLAIMER

The properties outlined above represent typical values for this product. They are not designed to convey absolute product specifications. The information in this data sheet is believed to be accurate. However, each purchaser should make its own test to determine the suitability of the product for its purposes. Oil-Dri makes no warranty, express or implied, with respect to the product and assumes no responsibility for any risk or liability arising from the use of this product information

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