PRODUCT SPECIFICATIONS

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Product Name: Ecobeads® Available Colors
Botanical Origin: *Elaeis guineensis, Euphorbia cerifera, Simmondsia chinensis*
Description: Hard microspheres
Particle Size (approximate): <1000 microns
Product Code: Product codes by color, see below

Specification	Method	Units	Range Min	Range Max
Odor	TW71			Typical
Absence of Microbial Contamination	TW26	CFU/g	0	100
Melting Point	TW13	°C	55	65

Composition by INCI NAME	Approx. Wt. %*
Stearyl Stearate (90-95%), Euphorbia Cerifera (Candelilla) Wax (4-7%), Jojoba Esters (1-3%)	Remainder
Pigment - see below for specific composition based on color	See below

Color	Product Code	Pigment (INCI Name)
Arizona Sky	B2N149	Titanium Dioxide (0.1-0.5%), Blue 1 Lake (0.05-0.5%), Yellow 5 Lake (0.01-0.1%)
Brick Red	B2N176	Iron Oxides (1-2%)
Burnt Orange	B2N168	Iron Oxides (0.1-1%), Red 30 (and) Talc (0.1-1%)
Cafe Ole	B2N134	Iron Oxides (0.1-1%)
Desert Rose	B2N123	Red 30 (and) Talc (0.01-0.5%), Ferric Ferrocyanide (0.01-0.3%)
Evergreen	B2N166	Chromium Oxide Greens (1-3%)
Gypsy Rose	B2N121	Red 30 (and) Talc (1-4%)
Iron Blue	B2N148	Ferric Ferrocyanide (0.5-2%)
Jade	B2N131	Chromium Hydroxide Green (1-4%)
Jasmine	B2N155	Ultramarines (0.1-2%), Red 30 (and) Talc (0.1-1%)
Lapis	B2N111	Ultramarines (1-4%)
Maize	B2N164	Iron Oxides (0.1-1%)
Merlot	B2N181	Red 30 (and) Talc (0.1-2%), Ferric Ferrocyanide (0.01-0.5%)
Natural	B2N105	None
Oasis Verde	B2N130	Chromium Hydroxide Green(0.1-0.5%), Yellow 5 Lake(0.01-0.5%), Ferric Ferrocyanide(0.001-0.01%)
Onyx	B2N151	Iron Oxides (1-2%)
Sapphire	B2N178	Ferric Ferrocyanide (0.1-1%)
Sonora Sand	B2N143	Titanium Dioxide (0.1-0.5%), Yellow 5 Lake (0.1-0.5%), Iron Oxides (0.01-0.1%), Red 30 (and) Talc (0.01-0.1%)
Sunburst Orange	B2N145	Red 30 (and) Talc (0.1-1%), Yellow 5 Lake (0.1-1%)
Tequila Sunrise	B2N126	Red 30 (and) Talc (0.1-1%), Iron Oxides (0.01-0.5%), Yellow 5 Lake (0.001-0.1%)
Topaz	B2N141	Yellow 5 Lake (0.1-1%)

* Pigment loading (approx. wt. %) may vary slightly to maintain consistent color.
Some pigments may be unstable in low pH solutions or when exposed to concentrated chemicals such as acids, alkali, and surfactants. Floratech recommends that all formulas are tested for color stability.

Shelf Life/Retest Interval: 1 year

Specification properties are verified on every product lot.
Product samples are exempt from warranties.

Revision Date: March 2014 Revision Level: c File Name: 048
TW Method: Floratech Methods

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