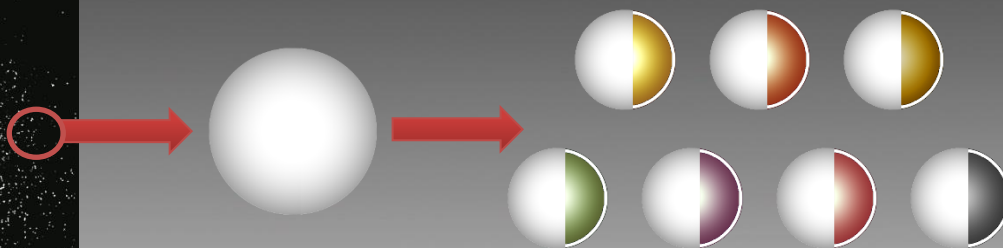


ARGAN is pleased to offer an innovative concept in color cosmetics: **VI-Beads, Color Changing Bead Technology**. These customizable microencapsulation products are colored, multi-layer beads that upon hydration will rub-out to release their inner colored core. They are available in a variety of colors to meet your formulation requirements.



Dry granular powder



PROPERTIES

Aesthetics
Bead Size
Use Levels

Micro-Sized Color Granule
100-200 μm (Avg.)
2-10%

AVAILABLE GRADES

VI-BEAD BROWN
VI-BEAD 2NBROWN

White to brown
White to nut brown

VI-BEAD 2XBROWN

White to dark brown

VI-BEAD GREEN
VI-BEAD PURPLE

White to green
White to purple

VI-BEAD RED
VI-BEAD BLACK

White to red
White to black



Once hydrated, beads soften.
Upon rubout, payoff of outer and inner color layers results in an instant color change

APPLICATIONS

- Gels
- Serums
- CC Make Up
- Foundations
- Tinted Moisturizers
- Suncare

VI-BEAD COMPOSITION

Chemical Name	INCI Name	CAS#	EINECS#	BROWN	2NBROWN	2XBROWN	GREEN	PURPLE	RED	BLACK
Titanium dioxide	Titanium dioxide	13463-67-7	236-675-5	X	X	X	X	X	X	X
Iron hydroxide oxide (Fe(OH)O)	CI 77492	20344-49-4	243-746-4	X	X	X				
Dichromium trioxide	CI 77288	1308-38-9	215-160-9				X			
Diphosphoric acid ammonium manganese(3+) salt (1:1:1)	CI 77742	10101-66-3	233-257-4					X		
Diiron trioxide	CI 77491	1309-37-1	215-168-2	X	X	X			X	
Mica-group minerals	Mica	12001-26-2	601-648-2	X	X	X	X	X	X	X
Triiron tetraoxide	CI 77499	1317-61-9	215-277-5	X	X	X				X
2-Methyl-2-propenoic acid polymer with ethenylbenzene	Styrene/acrylates copolymer	9010-92-8	618-461-7	X	X	X	X	X	X	X
β-D-Fructofuranosyl-α-D-glucopyranoside	Sucrose	57-50-1	200-334-9	X	X	X	X	X	X	X
Cellulose, carboxymethyl ether, sodium salt	Cellulose gum	9004-32-4	618-378-6	X	X	X	X	X	X	X

PHYSICAL PROPERTIES (Typical)

Appearance	White fine granule	
Odor	Characteristic odor	
Average Particle Size (D50, μm)	100.0	200.0
pH (1% slurry at 25°C)	5.0	9.0
Arsenic (As, ppm)	0	2.0
Cadmium (Cd, ppm)	0	5.0
Mercury (Hg, ppm)	0	1.0
Lead (Pb, ppm)	0	10.0
Antimony (Sb, ppm)	0	5.0
Average Particle Size (D50, μm)	100.0	200.0
pH	5.0	9.0
Arsenic (As, ppm)	0	2.0
Cadmium (Cd, ppm)	0	5.0
Mercury (Hg, ppm)	0	1.0
Lead (Pb, ppm)	0	10.0

The information provided is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

January 24, 2019