



# CAMELEON CAPS<sup>TM</sup>

## Asian Shade Chart

Asian skin tones often present a challenge for skincare and makeup manufactures. People with Asian skin tones usually struggle to find a product shade that matches their skin tones. This shade chart is dedicated to Asian skin tones in order to ease the formulation process of these shades, and to answer to this increasing consumers' demand.

Light 1



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	63	24.4	9.8	3
wt. (g)*	3.15	1.22	0.49	0.15

Light 2



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	61	24.4	9.8	5
wt. (g)*	3.05	1.22	0.49	0.25

Light 3



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	59	24.4	9.8	7
wt. (g)*	2.95	1.22	0.49	0.35

Light 4



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	57	24.4	9.8	9
wt. (g)*	2.85	1.22	0.49	0.45

Medium 1



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	64	23.2	9.8	3
wt. (g)*	3.2	1.16	0.49	0.15

Medium 2



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	64	21.2	9.8	5
wt. (g)*	3.2	1.06	0.49	0.25

Medium 3



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	64	19.2	9.8	7
wt. (g)*	3.2	0.96	0.49	0.35

Medium 4



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	64	17.2	9.8	9
wt. (g)*	3.2	0.86	0.49	0.45

Dark 1



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	64	24.4	8.8	3
wt. (g)*	3.2	1.22	0.44	0.15

Dark 2



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	64	24.4	6.8	5
wt. (g)*	3.2	1.22	0.34	0.25

Dark 3



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	64	24.4	4.8	7
wt. (g)*	3.2	1.22	0.24	0.35

Dark 4



Cameleon <sup>TM</sup>	Yellow	Red	Green	White
w/w (%)	64	24.2	2.8	9
wt. (g)*	3.2	1.21	0.14	0.45

\*Weight needed to create a 5 gram mixture

# CAMELEONCAPS™

## Tagra's microencapsulated pigments provide exciting visual "WOW"

CameleonCaps™ are globally approved encapsulated pigments, which do not require a dedicated production line for pigments or color cosmetics. CameleonCaps™ are durable during formulation and scale up yet break easily beneath fingertips upon application for dramatic and consistent color transformation. CameleonCaps™ keep the pigments hidden within formulations, helping to maintain a bright white, clean appearance in emulsions. Once applied, CameleonCaps™ can be a visual marker to indicate a fresh active material release. Skin care is easily converted to color cosmetics, and color cosmetics become easy to produce with our free-flowing, dust-free powders. Spend less time color matching, less time with grinding and cleaning efforts, and provide a platform for creating innovative multi-functional skin care products suit future trends while meeting the highest purity standards and specifications of global regulations.

Tagra Biotechnologies can customize proprietary pigment blends or encapsulate customer-supplied blends. CameleonCaps™ can be used in hydrous anhydrous and powder formulations, from cold process to hot pour production.

### FORMULATORY BENEFITS

- ° Increased stability in a variety of applications
- ° Maintain white mass tone or transparency of formulations
- ° Impart a natural color on the skin
- ° Compatible with organic UV filters
- ° No agglomeration as with naked pigments
- ° No need to grind the pigments
- ° Dust free handling
- ° Less production time with high flexibility in the production and low cleaning and maintenance efforts
- ° Suitable for cold and hot process
- ° Easy dispersion and incorporation – adding to the bulk at the last step
- ° Greater color consistency from batch to batch
- ° Derived natural ingredients according to ISO 16128-2 standard
- ° Globally compliant including China, preservative free, non-GMO, and is BSE, Halal, and vegan compliant.

**CAMELEON CAPS™ are available in powder form and can release the following colors:**

