

ARGAN Co.

Phone: 818.709.7070 Fax :818.709.7171

Email: info@arganco.com



**Cosmetic and Personal
Care Ingredients and
Specialties**

ARGAN Co.

HYDRO PS Water Dispersable Pigments



ARGAN Co.

Argan Co. is a highly versatile supplier of personal care and cosmetic **solutions** for all your formulation needs.

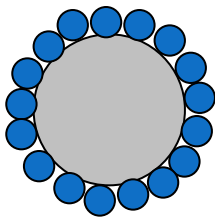
In addition to its extensive array of cosmetic ingredients, Argan provides customization of raw materials, scale up and pilot production pilot services, formulation assistance and ready to use products.



CAPABILITIES

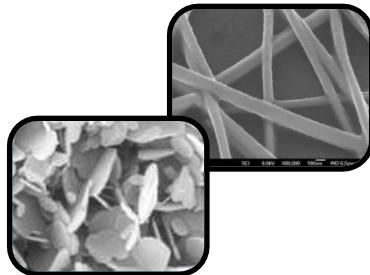
Manufacturing Technologies

- Emulsion (Dispersion)
- Polymerization
- Sol-Gel Technology
- Hybridization
- Particle Coating



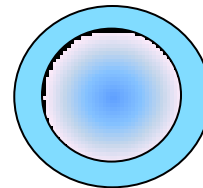
Lab & Pilot Scale Technologies

- Particle Synthesis
- Formulation
- Technical Assistance



Cosmetic Powder Technologies

- Spherical
- Mineral based
- Surface modified
- Effects Pigments
- Colorants
- Treated
- Functional



Background

Hydro PS Pigments are a range of cosmetic pigments that have been specially treated with hydrophilic silane compounds . This surface treatment results in the following properties:

- Hydrophilic
- Easier to disperse in water requiring less energy
- Better particle distribution of pigments
- Reduced surface activity (reduced agglomeration)
- Brighter/truer colors due to more uniform color distribution
- Good dispersibility in polar solvents
- Viscosity lowering effect in formulation
- Stable in wide pH range
- Applications : O/W Foundation, Makeup base, Sun cream, Eyeshadow, etc.



Grades

Products	INCI name	Wt %	Remark
TiO2 Hydro PS	Titanium dioxide	98.5	White
	Methoxy PEG-10 Propyltrimethoxysilane	2.5	
IOR Hydro PS	Iron oxides (I.O.R)	98.5	Iron oxide Red
	Methoxy PEG-10 Propyltrimethoxysilane	2.5	
IOY Hydro PS	Iron oxides (I.O.Y)	98.5	Iron oxide Yellow
	Methoxy PEG-10 Propyltrimethoxysilane	2.5	
IOB Hydro PS	Iron oxides (I.O.B)	98.5	Iron oxide Black
	Methoxy PEG-10 Propyltrimethoxysilane	2.5	

Testing

Dispersion Test of IOR Hydro PS Pigments in Water

Comparison of 1g of IOR Hydro PS added to 100ml water without stirring vs 1g Non-coated IOR in 100ml of water



Directly after



After 15
seconds



After 30
seconds



After 60
seconds



After 30
minutes

Left tube : IOR Hydro PS, Right tube : Non-coated IOR

ARGAN Co.

THANK YOU

