

CLARIANT

Transforming textures, perfecting performance

Aristoflex range of rheology modifiers for sensory excellence

Greater chemistry

ARISTOFLEX RANGE OF RHEOLOGY MODIFIERS

Technical parameters

Polymer Name	INCI	Appearance	Applications	pH	Sensory	Key Benefits
Aristoflex® AVC *Our most versatile*	Ammonium Acryloyldimethyltaurate/VP Copolymer	powder	– o/w emulsions – clear aqueous gels – emulsifier-free cream gels – ideal for creams, lotions, milks, gels, etc.	4–8	light, fresh	– good stabilization, thickening and emulsification properties
Aristoflex® AVS *Broadest pH range for greater application possibilities*	Sodium Acryloyldimethyltaurate/VP Crosspolymer	powder	– o/w emulsions – clear aqueous gels – emulsifier-free cream gels	up to 11	light, fresh	– compatible with DHA – suitable for self-tanning, anti-aging and whitening products due to improved color stability
Aristoflex® AVL *The easiest way to form an emulsion: our liquid dispersed polymer*	Caprylic/Capric Triglyceride (and) Ammonium Acryloyldimethyltaurate/VP Copolymer (and) Trilaureth-4 Phosphate (and) Polyglyceryl-2-Sesquiisostearate	liquid	– o/w emulsions	4–8	silky, light	– easy to use liquid dispersed polymer – excellent emulsification properties – starts to thicken very quickly
Aristoflex® BLV *Your first choice for lotions and sprays*	Ammonium Acryloyldimethyltaurate/Beheneth-25 Methacrylate Crosspolymer	powder	– low viscosity o/w emulsions – especially suitable for sprayable sunscreens and lotions	2.5–8	slightly caring	– low usage concentration – compatible with high amount of oils
Aristoflex® HMB *Your polymeric emulsifier*	Ammonium Acryloyldimethyltaurate/Beheneth-25 Methacrylate Crosspolymer	powder	– o/w emulsions – emulsifier-free creams – clear aqueous gels	2.5–8	slightly caring, rich skin feel	– can be used without additional emulsifiers in leave-on and rinse-off – compatible with high amount of oils – particle stabilization – high compatibility with surfactants
Aristoflex® Silk *Premium silky and soft skin feeling with a great flexibility on formulation*	Sodium Polyacryloyldimethyltaurate	powder	– o/w emulsions & cream gels – sun care & skin whitening – emulsifier free low viscosity formulations	2–11	silky, soft	– viscosity across broad pH range – improved electrolyte tolerance up to 2% salt – compatible with DHA, sun filters and pigments – good stabilization properties
Aristoflex® Velvet *Enriches products with a unique soft and velvet skin feel*	Polyacrylate Crosspolymer-11	powder	– o/w emulsions – clear aqueous gels – emulsifier-free low viscosity formulations	3–8	soft, velvety	– excellent compatibility with organic solvents – particle stabilization – extremely clear gels
Aristoflex® TAC *The innovative suspending agent for pearls and particles*	Ammonium Acryloyldimethyltaurate/Carboxyethyl Acrylate Crosspolymer	powder	– surfactant-based and aqueous formulations – medium to low viscosity emulsions	3–8	smooth	– particle stabilization for rinse-off products – suspension in leave-on products

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Emollient portfolio key products

Greater chemistry

Plantasens™ range		Sensotain™ range		
INGREDIENT	**KEY CHARACTERISTICS**	**RCI**	**COSMOS**	**China Listed**
Plantasens™ Olive LD	More than a sensorial alternative for dimethicone	92%		X
Plantasens™ Olive LD SP ECO	More than a sensorial alternative for dimethicone	100%	X	X
Plantasens™ Olive Squalane	100% olive-derived emollient with a premium silky feel	100%	X	X
Plantasens™ LS 6	Skin Surface Lipid Mimic, Skin lipid balancing	100%	X	X
Plantasens™ Pro LM	Caring feel, versatile for Skin, Sun and Color cosmetics	100%	X	
Plantasens™ VP R15	Natural alternative to petrolatum providing deep moisturization	100%	X	X
Plantasens™ VP 170	Shine and moisture from renewable sources	100%	X	X
Plantasens™ VL	The classic lanolin look & feel, super refatting agent	100%		X
Plantasens™ Crystolive Wax	Vegan-friendly beeswax alternative	100%	X	X
Plantasens™ Shea Butter Ref	Skin Soothing, Texture	100%	X	X
Sensotain™ PTIS *	Rich, non-comedogenic emollient with a soft cushiony feel to skin	93%		X
Sensotain™ PPS 15*	Excellent spreading and co-solving benefits in one solution	28%		X
Sensotain™ CG 070*	Hydrophilic emollient for surfactant formulations	52%		X
Sensotain™ EP 6205	Effective all-in-one ingredient: emulsifier & emollient	22%		X

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Sensorial effects

SPECIAL EMULSIFIER PORTFOLIO

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Technical parameters: key technical characteristics of portfolio

EMULSIFIER NAME	INCI	HLB	CHARGE	FORMAT	LIQUID CRYSTAL	USAGE LEVEL (%)
Plantasens® EmulsifierCP5	GlycerylOleate (and)Polyglyceryl-3 Polyricinoleate(and)OleaEuropaea(Olive)OilUnsaponifiables	3	nonionic	Paste	—	3–5%
Plantasens® Emulsifer CP40	Polyglyceryl-3 Polyricinoleate(and) SorbitanOleate	3.5	nonionic	Paste	—	3–5%
Hostacerin® WO	Polyglyceryl-2 Sesquiisostearate(and) Beeswax(and) MicrocrystallineWax(and) Mineral Oil (and) Magnesium Stearate (and) AluminumStearate	5 (SE)*	nonionic	Paste	—	3–10%
Plantasens® Emulsifier DGI	Polyglyceryl-2 Sesquiisostearate	5	nonionic	Liquid	—	1–6%
Plantasens® Emulsifier DGDS	Polyglyceryl-2 Distereate	5.5	nonionic	Pellets	Yes (fatty alcohol)	2–6%
Plantasens® Emulsifier SFO	Sunflower SeedOil Sorbitol Esters	6	nonionic	Liquid	Yes (fatty alcohol)	1–5%
Hostacerin® DGSB	PEG-4 Polyglyceryl-2 Stearate	7.5	nonionic	Wax	Yes (fatty alcohol)	2–6%
Plantasens® Emulsifier CCT	Caprylic/CapricTriglyceride (and) Water(and) Glycerin (and) LaurylGlucoside(and) Sodium Lauroyl Lactylate(and) GlycerylStearate (and) CetearylAlcohol(and) Sodium StearoylLactylate	SE* base	nonionic	Paste	Yes	1–5%
Plantasens® Emulsifier HP30	GlycerylStearate (and) CetearylAlcohol(and) Sodium StearoylLactylate	8 (SE)*	nonionic / anionic	Flakes	Yes	3–5%
Plantasens® Emulsifier HP10	SucrosePolystearate(and) CetearylAlcohol(and) Olea Europaea (Olive) Oil Unsaponifiables	9 (SE)*	nonionic	Pellets	Yes	3–5%
Hostacerin®O 050	Oleth-5	9	nonionic	Liquid	Yes (fatty alcohol)	1–5%
Plantasens® Emulsifier HE20	CetearylGlucoside(and) SorbitanOlivate	9.5 (SE)*	nonionic	Pellets	Yes	3–6%
Hostaphat®KW 340 D	Tricetereth-4 Phosphate	11	anionic/ nonionic	Solid	Yes (fatty alcohol)	1–4%
Hostaphat®KL 340 D	Trilaureth-4 Phosphate	14	anionic/ nonionic	Liquid	Yes (fatty alcohol)	1–4%
Hostacerin®T 200 P	Ceteareth-20	15	nonionic	Powder	Yes (fatty alcohol)	0.5–5%
Emulsogen®HCW 049	PEG-40 HydrogenatedCastor Oil	15	nonionic	Liquid	Yes (fatty alcohol)	2–5%
Sensotain™ EP 6205	PPG-5-Ceteth-20	16	nonionic	Liquid	Yes (fatty alcohol)	0.5–5%

- • ≤ 0.5% NaCl
- •• ≤ 1.0% NaCl
- ••• ≤ 2.0% NaCl
- ★ < 5% EtOH
- ★★ = 5% EtOH
- ★★★ > 5% EtOH

Water-in-Oil(W/O)

Oil-in-Water(O/W)