

Solvay RHODICARE S Xanthan Gum Surfactant

Category : Fluid , Polymer , Renewable/Recycled Polymer

Material Notes:

Rhodicare® S 100% natural thickening biopolymer delivering viscosity and suspension/stabilization properties to cosmetic formulations. Rhodicare® S displays a high hydration rate. Approved for Ecocert.C.T.F.A. /I.N.C.I. Name: Xanthan GumCAS: 11138 - 66 – 2EINECS: 234 – 394-2Recommended use level: 0.2 - 1%.Soluble in waterCompatible with Non-ionic, anionic and amphoteric surfactants.Applications: Sodium salt of an anionic high molecular weight hetero-polysaccharide produced by pure culture fermentation of Xanthomonas campestris, purified by recovery with isopropanol, dried and milled.Thickening and stabilizing hydrocolloid giving aqueous solutions of high viscosity and high yield value even at low concentrations, not affected by temperature. Pseudo-plastic non thixotropic behaviour. Effective suspending and stabilizing agent for multi-phasic systems: aqueous suspensions, emulsions and foams, easily sprayable, flowable, pumpable (creams and lotions, toothpastes...). Thickening agent for creams, suspensions, shampoos, gels; synergistic effect with galactomannanes, glucomannanes. Anti-syneresis agent, reduces gel exudation.Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-RHODICARE-S-Xanthan-Gum-Surfactant.php

Physical Properties	Metric	English	Comments
Bulk Density	0.700 - 0.800 g/cc	0.0253 - 0.0289 lb/in ³	
Particle Size	180 µm	180 µm	95 min, 80 mesh; TI-2087
	250 µm	250 µm	99.5 min, 60 mesh; TI-2087
pH	6.0 - 8.0	6.0 - 8.0	1% aqueous sol.; TI-2076
Brookfield Viscosity	1200 - 1600 cP	1200 - 1600 cP	1% KCl, LVT, 60 rpm, spindle 3; TI-1110

Processing Properties	Metric	English	Comments
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Appearance	Fine powder	
Color	Creamy white	
Composition	2-Propanol	<750 ppm, TI-2105
	Arsenic as As	<3 ppm, USP
	Ash	6.5-16%, TI-0130
	Entero-bacteria & other Gram Neg.	Absence in 1g, TI-2185

Descriptive Properties	Heavy metal as Pb Value	<10 ppm, TI-2109 Comments
	Pseudomonas aeruginosa	Absence in 1g, TI-2073
	Staphylococcus aureus	Absence in 1g, TI-2073
	Total viable aerobic count	<500 cfu/g, TI-2070
	Yeasts and moulds	<100 cfu/g, TI-2071
Loss on drying	<13%	TI-0515

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