

NAT SURFACT[®]

Grade: CB

5% solution of the sodium salt of rhamnolipids in water at neutral pH
 CAS Numbers: 37134-61-5 and 4348-76-9
 INCI Listing: RHAMNOLIPIDS

Specifications	
Characteristic	Range
Appearance	Light brown liquid
Rhamnolipids concentration	4.9 – 5.1%
Rhamnolipids that are mono-	35 – 45% (remainder are di-)
CMC	80 – 120 mg/L (solids basis)
pH	6.5 – 7
Viscosity	1.5 – 2.5 cP
Triacylglyceride oil	< 0.5%
Elemental analysis (Na and heavier)	
Excess sodium	< 0.75%
Phosphorous	< 0.2%
Sulfur	<0.15%
Silicon	<750 ppm
Chlorine	<500 ppm
Potassium	<200 ppm
Copper	<5 ppm
All others	Undetectable

0.4% Benzyl alcohol added as a broad spectrum antimicrobial preservative.

For more information please contact: Dan Derr, Ph.D. 858-336-5084 dan@natsurfact.com

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