

# NAT SURFACT<sup>®</sup>

Grade: HCCB

45% solution of the sodium salt of rhamnolipids in water at pH 7

CAS Numbers: 37134-61-5 and 4348-76-9

INCI Listing: RHAMNOLIPIDS

Specifications	
Characteristic	Range
Appearance	Light yellow, viscous liquid
Rhamnolipids concentration	43 – 47%
Rhamnolipids that are mono-	35 – 45% (remainder are di-)
CMC	80 – 120 mg/L (solids basis)
Moisture	49 – 53%
pH	6.9 – 7.1
Viscosity	3,000 – 4,000 cP
Sodium chloride	0.5 – 0.75%
Triacylglyceride oil	0.5 – 1.5%
Hydrogen peroxide	< 0.5%
Elemental analysis (C, H, N, and Na and heavier)	
C	24 – 26%
H	9 – 11%
N	0.1 – 0.3%
Excess sodium	2 – 3%
Magnesium	< 0.2%
Silicon	< 0.01%
Phosphorous	< 0.1%
Sulfur	< 0.05%
Potassium	< 0.02%

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