

NATERNAL[®] EXCEL SGI

TECHNICAL DATA SHEET EU 90101666 – JUNE 2023

IDENTIFICATION

Chemical Name: GUAR GUM DERIVATIVE
INCI Name: GUAR HYDROXYPROPYLTRIMONIUM CHLORIDE
CAS Number: 65497-29-2

SPECIFICATIONS

Appearance
Moisture, %
pH (1% Aqueous Solution)
Viscosity (1% Sol in Water) (cP)
Transmittance, %
Staphylococcus Aureus*
Pseudomonas Aeruginosa*
Coliforms – E.Coli*
Yeasts and Molds*, cfu/g)
Total Plate Count*, cfu/g
Enterobacteria and Gram Neg. Bact*

RESULTS

Fine Yellow Powder
11.0 Max.
8.50 – 10.50
300 – 1000
82.0 Min
Negative
Negative
Negative
100 Max
100 Max
Negative

METHOD

Visual
AN3068
AN2131
AN2131
AN1010
AN9019
AN9019
AN9018
AN9016
AN9015
AN9017

TYPICAL PROPERTIES

Substitution Level 0.13 approx. (cationic)
Odor Slight, characteristic
Bulk density (kg/m³) ca. 750
Solubility In Water – Soluble
Non-Polar Solvents - Insoluble
Candida Albican (in 1 g) Absence

STANDARD APPLICATIONS

NATERNAL[®] EXCEL SGI provides good substantivity together with no build up on hair. It allows development of transparent foaming formulations, thanks to its good compatibility with anionic and amphoteric surfactants commonly used in personal care products. NATERNAL[®] EXCEL SGI provides excellent wet-combing and wet-feel properties. It enhances as well the deposition of actives such as silicones, oils, anti-dandruff agents on hair. NATERNAL[®] EXCEL SGI is sustainably sourced from guar farming villages in Rajasthan part of the "Sustainable Guar Initiative" program lead by Solvay"

Ideal for transparent or opaque conditioning shampoos and cream rinses for coloured or damaged hair.
Recommended use levels: 0.1 – 0.3%

Note: Viscosity develops within 15 minutes after NATERNAL[®] EXCEL SGI has been dispersed into water under stirring. More rapid viscosity development can be obtained by acidifying to pH 3.5-5 (with citric acid, for example).

* Measurement frequency of characteristics for Microbiology are based on statistical procedure and analyzed at least every 5 batches



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STANDARD PACKAGING

NATERNAL® EXCEL SGI is available in 25 KG Cardboard Box. Alternative package sizes may be available upon request.

SHELF LIFE

NATERNAL® EXCEL SGI has a shelf life of 730 days.

WARNING

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, notably as regards infringement of or prejudice to third parties through the use of our products. SOLVAY GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.

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