

NATERNAL[®] EXCEL

TECHNICAL DATA SHEET EU 90101665 – 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)
Staphylococcus Aureus *
Pseudomonas Aeruginosa *
Coliforms, E-Coli *
Enterobacteria Gram Neg. Bact. *
Total Plate count, cfu/g *
Yeasts and Mold, cfu/g *
Viscosity (1% Sol in Water) (cP)
Transmittance, %

RESULTS

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

METHOD

Visual
AN3068
AN2131
AN9019
AN9019
AN9018
AN9017
AN9015
AN9016
AN2131
AN1010

TYPICAL PROPERTIES

Substitution Level
Odor
Bulk Density, kg/dm³
Solubility
Candida Albican (in 1 g)

0.13 approx. (cationic)
Slight, characteristic
~ 0.75
In Water – Soluble
Non-Polar Solvent - Insoluble
Absence

STANDARD APPLICATIONS

NATERNAL[®] EXCEL 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 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.

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 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 is available in 25 KG Cardboard Box. Alternative package sizes may be available upon request.

SHELF LIFE

NATERNAL® EXCEL has a shelf life of 730 days.

WARNING

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