

# JAGUAR<sup>®</sup> HP 105

TECHNICAL DATA SHEET NA 90002012 – JULY 2018

## IDENTIFICATION

Chemical Name: GUAR GUM DERIVATIVE  
CAS Number: 39421-75-5  
C.T.F.A. / I.N.C.I. NAME: HYDROXYPROPYL GUAR

## SPECIFICATIONS

Protein, %  
Moisture, %  
Particle Size, -150 Mesh  
pH Inherent 1%  
Total Alkalinity  
Light Transmission  
2 Hour Viscosity  
Black Specs  
Appearance  
Ash  
Gram Negative Bacteria  
Plate Count, CFU/G  
Mold, CFU/G  
Yeast, CFU/G  
Staphylococcus Aureus

## RESULTS

1.0 Max  
3.5 – 9.0  
90.0 – 100.0  
9.0 – 11.0  
23.5 Max  
83.0 Min  
2500 – 4500  
50 Max  
Off White to Light Yellow Powder  
1.6 Max  
Negative  
500 Max  
100 Max  
100 Max  
Negative

## METHOD

RP-1176  
M-1-4  
PS-1-2  
PH-1-3  
ALK-3-2  
LT-1-2  
V-60-3  
BSC-1-2  
DA-17-0  
ASH-1-0  
RP-1445  
RP-1410  
RP-1445  
RP-1445  
RP-1445

## TYPICAL PROPERTIES

Substitution level 0.6

## STANDARD APPLICATIONS

JAGUAR<sup>®</sup> HP 105 is a high molecular weight hydroxypropyl (0.6 DS) guar. Non-ionic thickening agent effective at low concentrations for transparent formulations. Compatible with cationic surfactants. Good compatibility with electrolytes and stability over a large range of pH. Enables the formulation of hydroalcoholic gels offering a unique "fluid" smooth feel. Allows formulation of transparent gel products which can be pumped/sprayed. Helps stabilize emulsions.

## STANDARD PACKAGING

JAGUAR<sup>®</sup> HP 105 is available in 25 KG bags/boxes, 25 KG. Closed Head Fiber Drums, and 1000 LB. Super Sacks. Alternative package sizes may be available upon request.

## SHELF LIFE

JAGUAR<sup>®</sup> HP 105 has a shelf life of 730 days.

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