



**G.A. TORRES**

Dirección: CARRETERA TURIS-SILLA, 5/N 46389  
TURIS(VALENCIA)-ESPAÑA  
Producto: TORRESGUM (Locust Bean Gum)

**LBG SPECIFICATIONS**  
**TORRESGUM-25**

FC-7606  
Rev.:07  
Date: 25/09/20  
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<b>Edition</b>	<b>Modification</b>	<b>Date</b>
00	Initial release	04/02/14
01	It is includes the Regulation of the limits of pesticides.	22/09/14
02	The physical-chemical parameters are grouped	10/02/15
03	It is includes the Regulation of the heavy metals, Aflatoxins and dioxin limits along with the Regulation governing them.	29/03/17
04	The parameter Starch in Chemical Analysis is added	12/07/17
05	The parameter Ochratoxin A and Melamine are added	25/10/17
06	The origin of the raw material is added as indicated in point 7.3.3.1 c of the ISO / TS 22000: 2005 standard	16/07/18
07	It is added "Halal Quality" according to Halal Law	25/09/20

Supplier Company Name: G.A. TORRES S.L  
Supplier Address: CtraTuris-Silla s/n 46389 Turis (Valencia) España

**GENERAL INFORMATION**

Product: Locust Bean Gum E-410	Name: TORRESGUM-25	Shelf Life:	2 years (since the production day)
Grade: Food Grade			Room temperature, in a cool dry place off
Latin Name: <i>Ceratonia silique</i>		Storage conditions :	the floor. T <sup>a</sup> máx=25°C and Relative Humidity
Halal Quality			< 60 %

**ANALYSES**

<b>DESCRIPTION:</b>	<b>SPECIFICATIONS</b>	<b>TEST METHOD</b>
<b>PRODUCT CHARACTERISTICS</b>		



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Locust Bean Gum is a natural vegetable hydrocolloid obtained from the ground endosperm seeds of the carob tree ( <i>Ceratonia Siliqua</i> )	MAX. HUMIDITY 15 % (RAW MATERIAL)  ORIGIN OF RAW MATERIAL: COUNTRIES MEDITERRANEAN ZONES	MOISTURE ANALYZER SARTORIUS MA 105
<b>PHYSICAL TESTS</b>		
APPEARANCE COLOR AROMA TASTE PARTICLE SIZE	POWDER YELLOWISH-WHITE ALMOST ODORLESS TASTELESS MÍN. 95% THROUGH MESH 150 MICRONS	VISUAL VISUAL ORGANOLEPTIC ORGANOLEPTIC SIEVES
<b>CHEMICAL TESTS</b>		
MOISTURE VISCOSITY:  PH ASH PROTEINS ACID-INSOLUBLE MATTER GALACTOMANAN STARCH	Max. 14% 2500 ± 200 Cps  5-7 Max. 1,2 % Max. 7 %. Max.4 % Min. 75 % <b>ABSENCE According to Regulation 231/2012</b>	MOISTURE ANALYZER SOLUTION 1 % TO 25°C WITH VISCOMETER: BROOKFIELD RVF AGITATOR N°3 20 RPM
AFLATOXINS  OCHRATOXIN A MELAMINE DIOXINS	Sum of Aflatoxins (B <sub>1</sub> , B <sub>2</sub> ,G <sub>1</sub> and G <sub>2</sub> ) ≤ 15 ppb  ≤ 3 ppb ≤2,5 ppm Sum of Dioxins ≤ 8 pg/g	AOAC Official Method 991.31  HRG – MS / analogical VDLUFA VII 3.3.2.4 (KI)



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<p>ETAN AND PROPAN-2-OL</p> <p>HEAVY METALS ARSENIC LEAD MERCURY CADMIUM</p>	<p>Max 1 % separately or in conjunction <b>According to Regulation 231/2012</b></p> <p>Max.3 ppm Max.2 ppm Max.1 ppm Max.1 ppm</p> <p><b>According to regulation 231/2012</b></p>	<p>ICP-OES ICP-OES AA – COLD VAPOR ICP-OES</p>
<p>PESTICIDES</p>	<p><b>According to Regulation 396/2005</b></p>	<p>HRGC – MSD / 64 LFGB L00.00-34</p>
<p><b><i>MICROBIOLOGICAL TEST</i></b></p>		
<p>TOTAL PLATE COUNT YEASTS AND MOULDS SALMONELLA E. COLI</p>	<p>Max. 5000 (c.f.u. /g) Max. 500 (c.f.u. /g) ABSENCE (c.f.u. / 25 g) ABSENCE (c.f.u. / 1 g)</p>	<p>ISO 4833-1:2013 NF V 08-059: 2002 ISO 6579-1:2017 ISO 7251:2005</p>