

**G.A. TORRES****CARRUBINA BIO SPECIFICATION**

Code: FC-7526

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Rev.: 05

Edition	Modification	Date
00	Initial release	03/06/14
01	Included link to web page in pesticide limits	22/09/14
02	The physico-chemical parameters are reviewed	20/01/16
03	Microbiological parameters are reviewed	06/04/16
04	Microbiological and physico-chemical parameters are reviewed	27/11/17
05	It is added "Halal Quality" according to Halal Law	25/09/20

Supplier Company Name: G.A. TORRES S.L
 Supplier Address: Ctra Turis-silla s/n 46389 Turis (Valencia) Spain
Manufacturing Location
 Name of Manufacturer: G.A.TORRES S.L
 Factory Address: Avda. Pinaeta s/n Polg. Industrial Quart de Poblet 46390 (Valencia) Spain.

GENERAL INFORMATION

Product: Carob powder Name: CARRUBINA
 Grade: Feed grade Shelf life: 1 year
 Latin Name: *Ceratonia siliqua* Conditions of Storage : In a cool dry place
Halal Quality off the floor

ANALYSES

ITEM DESCRIPTION:		SPECIFICATION	TEST METHOD
PHYSICAL PARAMETERS			
APPEARANCE	POWDER	VISUAL	
COLOR	LIGHT BROWN	VISUAL	
AROMA	CHARACTERISTIC OF CAROB	ORGANOLEPTIC	
TASTE	CHARACTERISTIC OF CAROB	ORGANOLEPTIC	
PARTICLE SIZE	MIN 80% THROUGH MESH 105 MICRON 0-1% ON MESH 500 MICRON	SIEVES	
CHEMICAL PARAMETERS			
MOISTURE	6% Max	MOISTURE ANALYZER	
TOTAL SUGARS	40% typical value / 35% Min (as sucrose) *	LUFF-SCHOORL	
CRUDE FIBER	12% (+/-2)	WEENDE	
ASH	6%Max	CALCINATION AT 550°C	
HEAVY METALS			
ARSENIC	<2 ppm	ICP-OES	
LEAD (AS Pb)	<10 ppm	ICP-OES	
MERCURY	< 0.1 ppm	AA – COLD VAPOR	
CADMIUM	<1 ppm	ICP-OES	
PESTICIDES	DO NOT DETECT ANY PESTICIDE		
MICROBIOLOGICAL PARAMETERS			
TOTAL PLATE COUNT	NMT 50000 (cfu/g)	NF-EN ISO 4833	
YEAST & MOLD	<1000 (cfu/g)	NF-V 08-059	
SALMONELLA	ABSENT (cfu/ 25 g)	ISO 6579	
E. COLI	< 10 (cfu/ g)	ISO 7251:2005	
SUM OF AFLATOXINS	4 (Max ppb)	AOAC OFFICIAL METHOD 991.31	
OTHER OPTIONAL INFORMATION			

*reference value. Being a natural product can vary from one crop to another depending on factors such as origin, climate, period of collection, etc.

Identity of Authorized Individual for Defining the Product Specifications (including Title): ANGELES MERENCIANO LABORATORY MANAGER

Issuing Date: 03/06/2014



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