

SALVIA HISPANICA L. TECHNICAL SHEET

Version 22/02/2006

PRODUCT

Selected seeds of Chia (Salvia Hispanica L.)

1. GENERAL INFORMATION

Chia Seed is considered as a Dietetic Nutritional Supplement by the Food and Drug Administration (FDA) in the United States of America. In addition, it complies with the severe criteria of nutrients content established by this organisation to be regarded as "healthy food". [Department of Health and Human Service, Letter N. 2005 - 2769](#)

2. CHARACTERISTICS

A. PHYSICOCHEMICAL		Health Certificate Protocol N° Z65000
	Value	Method
Size	1.5 to 2.0mm	
Color	Brilliant greyish black	
Purity	99.9% Use as seed 99.4% Use as industrial ingredient or mixed.	SGS Purity Certificate
Moisture	4g/100g of seed	
Ashes	5.2g/100g of seed	
pH	6.49	Potenciometry
Total Acidity	0.35 Oleic acid/100g	Norm IRAM 5512
Saponification un dex	195.71	AOCS Official Method Cd3-25
Iodine index	192.73	AOCS Official Method Cd 1.25; Cd1c-85
Non-saponifiable material	4.85%	AOCS Official Method Ca6b-53
Peroxyde index	4.41 mEqO2/Kg.	AOCS Official Method Cd8-53

B. MICROBIOLOGICAL		Report 0500124-001 GBA Laboratory		
Result	Measured value	Unit	Referencial value	Method
Total Bacterial Count	<10	KBE/g		ISO 4833
Yeast	<10			
Moulds	<10			ISO 7954
E. Coli	<10			ISO7954
Salmonellsa	Negative	/25g	Negative	VRB- Fluoroculture
Aflatoxines			4	35 LMBG (Law)
Aflatoxines B1	<0.5	µg / kg	2	35 LMBG (Law)
Aflatoxines B2	<0.5	µg / kg		
Aflatoxines G1	<0.5	µg / kg		
Afltaoxines G2	<0.5	µg / kg		