



# TECHNICAL & NUTRITIONAL DATA SHEET

## US GROWN BLACK CHIA SEEDS

### DESCRIPTION

Early Flowering Chia was bred from wild chia plants and selected to grow and produce high quality seed in climates with shorter growing seasons such as the US heartland.

Plant species: *Salvia hispanica*  
Product: Black (Charcoal) Chia Seed  
Appearance: Shiny Dark Gray to Black Seed with 5-8% White Seed  
Origin: Continental United States  
Non-GMO      Gluten Free

### US PATENT PROTECTED

This early flowering *Salvia hispanica* is protected under US Patent #8,586,831; the ownership and resale of the seed is controlled by a purchase agreement. This seed may not be used for any further production or any pollen or any other parts of the plant used for breeding or future propagation. Unauthorized production, seed multiplication, or use as plant breeding material by original purchaser or subsequent parties obtaining this chia from original purchaser is strictly prohibited.

### PACKAGING, STORAGE AND SHELF LIFE

Current packaging is offered in 30 lb. Poly Buckets, 50 lb. polypropylene bags, and 2,000 lb. totes. Shelf life is variable but should typically be 48 months when stored in cool, dry conditions with relative humidity below 60% and temperature below 25°C.

### COMPOSITION

COMPONENT	TYPICAL VALUES*
<b>Total Protein</b>	<b>22.0%</b>
<b>Total Dietary Fiber</b>	<b>40.0%</b>
<b>Total Fat</b>	<b>34.0%</b>
of which Omega-3 (ALA)	62.0%
<b>Sodium</b>	<b>&lt;0.01</b>
<b>Potassium</b>	<b>0.75%</b>
<b>Calcium</b>	<b>0.71%</b>
<b>Iron</b>	<b>0.01%</b>
<b>Phosphorus</b>	<b>1.00%</b>
<b>Magnesium</b>	<b>0.41%</b>

\* Exact values are available with the COA for each lot number.



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	Typical Values
<u>MICROBIOLOGICAL PARAMETERS</u>	
Yeast & Mold	< 1,000 cfu/g
Aerobic Plate Count	<10,000 cfu/g
Aflatoxin B1	<1.0 ug/kg
Aflatoxin B2	<1.0 ug/kg
Aflatoxin G1	<1.0 ug/kg
Aflatoxin G2	<1.0 ug/kg
T2 Toxin	<1.0 ug/kg
Ochratoxin	<1.0 ug/kg
Vomitoxin (Deoxynivaleno)	<1.0 mg/kg
Listeria	negative in 25 g
Salmonella	negative in 25 g
Total Coliforms	<10 cfu/g
E. coli	<10 cfu/g

### PHYSICAL PARAMETERS

Moisture	< 8.0%
Non-GMO	
Appearance:	Shiny Dark Gray to Black Seed with 5-8% White Seed
Size:	Approximately 400,000 Seeds per Pound (1.5-2.0 mm)
Purity:	99.5% or Higher as Pure Chia Seed With No Additives

### NOTES

This product may have been processed in a facility that handles soy, wheat, nuts, and many other types of grain & seeds.

This is a plant product; therefore these values may vary from one harvest to another and from one lot of the product to another. While we have seen slight but not significant variability, the values presented here are representative of what we believe should be the minimum quality. \* **Exact values are available with the COA for each lot number.**