EUROFINS SCIENTIFIC

Food, Beverages, and Dietary Supplements
Contract Laboratory Services

Committed to Uncompromising Science and Customer Support

January 21, 2002

Juan Ferreira
Ashaninka Imports
PO 770065
Miami FL 33177-0065

ALPHA Job # 12386

Sample Identification:
Alpha Sample #: 01-6176 Zea Mays Dry Extract, Powder, Lot #ENS2
Date Received: 12-21-01, Time Received: 11:45 AM

ALPHA Method:
AL126: Total Phenols as Gallic Acid (Folin-Ciocalteu Method)
by Ultraviolet - Visible Spectrophotometry (UV-Vis)

Results:

ALPHA Sample #	Total Phenols (Folin-Ciocalteu) (% wt/wt)
01-6176	26.6

Note: Test was run on water extract of sample.

Jules Skamarack
Director, Client Services

Alpha Laboratories Division
1365 Redwood Way • Petaluma, CA 94954
707.792.7300 • 800.92.ALPHA • Fax 707.792.7309
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ALPHA

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December 27, 2001

Juan Ferreira
Asharinka Imports
PO 770065
Miami FL 33177-0065

ALPHA Job # 12211

Sample Identification:
Alpha Sample #: 01-6176 Zea Mays Dry Extract, Powder, Lot #ENS2
Date Received: 12-21-01, Time Received: 11:45 AM

ALPHA Method:
UV128: Anthocyanins as Anthocyanidins by Ultraviolet-Visible Spectrophotometry (UV-Vis)

Results:

ALPHA Sample #	Anthocyanins as Anthocyanidins (% wt/wt)
01-6176	6.75
01-6176 (D)	6.93

(D) = Duplicate

Christina Stuart
Chemist

Tom C. Miller for
Jules Skamarack
Director, Client Services

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1365 Redwood Way
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March 14, 2003

Juan Ferreira
Ashaninka Imports
PO 770065
Miami FL 33177-0065

ALPHA Job # 15723

Sample Identification:
Alpha Sample #: 03-0616 Purple-X, Peruvian Purple Corn Extract, Capsules, Lot #001-2003
Date Received: 02-10-03, Time Received: 12:00 PM

ALPHA Method:
CE229: Caffeine by Capillary Electrophoresis (CE)

Results:

ALPHA Sample #	Caffeine (mg/capsule)	Caffeine (% wt/wt)*
03-0616	< 0.4	<0.1
03-0616 (D)	< 0.4	<0.1

(D) = Duplicate analysis of single sample preparation.
Sample was spiked with caffeine for peak identification.
Content weight = 310 mg/capsule
*Based upon capsule content weight.

David Ferrell
Senior CE Analyst

Debra C. Orozco
Quality Assurance Officer

PURPLE X
PURPLE CORN EXTRACT
The Color of Life!

Specification Sheet PURPLE-X Powder Extract

Country of Origin:	Peru
Botanical name:	Zea Mays
Family:	Graminea
Variety:	Purple
Common name:	Purple corn, maiz morado.
Inca name:	Moro sara, Kulli sara
Part used:	Cob
Form:	Standardized Powder Extract
Activity: **Method:**	25% Total Phenols Folin Ciocalteau by UV-Vis
Activity: **Method:**	6% Anthocyanins UV-Vis
Activity: **Method:**	Proacyanidonic Value 12 UV-Vis
Characteristics:	Fine powder
Mesh:	200 mesh
Bulk Density:	0.384gm/cc
Color:	Deep purple
Odor:	Characteristic
Taste:	Neutral
Solubility:	Soluble in water
Moisture:	Not more than 8%
pH:	3-4
Solvent:	Water-alcohol
Carrier:	**Non GMO** Maltodextrine

PURPLE-X is a registered trademark. US Patent Disclosure # 531255
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