

BioCeuticals Research & Development Analytical Laboratory

Division of All American Pharmaceutical & Natural Foods Corporation

2376 Main Street

Billings, MT 59105 U.S.A.

406-245-5793 EXT 208 Fax: 406-238-1846

E Mail: marciam@allamericanpharmaceutical.com

www.allamericanpharmaceutical.com

Certificate of Analysis

Customer	All American EFX	Item	K-otic Fruit Punch (New Flavor)	Date	September 30, 2011
Product Code	CO# P159U	Lot Number	1271600		
Amount/Container	15 grams	Shelf Life	36 months		
Manufacture Date	September 2011	Expire Date	June 2014		
Manufacture: All American Pharmaceutical, 2376 Main Street, Billings, MT 59105					
Storage: Store in a cool, dry place out of the reach of children.					
TEST	TESTING METHOD	SPECIFICATION	RESULTS		
1) Assay (dry basis)	HPLC/FTNIR	95.0% min	>98.0%		
Active Ingredients (per 14.28 grams)					
11.8 gram proprietary Blend of: Kre-Alkalyn® KarboLyn® L-Tyrosine Beta Alanine Arginine-alpha-ketoglutarate Calcium Carbonate 1,3,7-trimethylxanthine (Caffeine 300 mg) Xantheose Acetyl-Tyrosine Dimethylxanthine Citrulline-malate		Phosphate Taxadral® White Tea, Black Tea, Green Tea DHB Bioperine® Vitamin/Mineral/Electrolite Matrix Sodium 32 mg Potassium 44 mg Vitamin B12. 1 mg Niacin 25 mg Vitamin C 25 mg Magnesium Citrate 5 mg Vitamin B6 2 mg Folic Acid 400 mcg			
2) Heavy Metals:					
Lead (PB)	ICP	<10ppm	<10ppm		
Cadmium (CD)	ICP	<1ppm	<1ppm		
Arsenic (AS)	ICP	<1ppm	<1ppm		
Mercury (HG)	ICP	<1ppm	<1ppm		
Lithium (Li)	ICP	<100ppb	<100ppb		
Sodium (Na)	ICP	<100ppb	<100ppb		
Potassium (K)	ICP	<100ppb	<100ppb		

Rubidium (Rb)	ICP	<100ppb	<100ppb
Cesium (Cs)	ICP	<100ppb	<100ppb
Beryllium (Be)	ICP	<100ppb	<100ppb
Magnesium (Mg)	ICP	<100ppb	<100ppb
Calcium (Ca)	ICP	<100ppb	<100ppb
Strontium	ICP	<100ppb	<100ppb
Barium (Ba)	ICP	<100ppb	<100ppb
Scandium (Sc)	ICP	<100ppb	<100ppb
Yttrium (Y)	ICP	<100ppb	<100ppb
Lutetium (Lu)	ICP	<100ppb	<100ppb
Titanium (Ti)	ICP	<100ppb	<100ppb
Zirconium (Zr)	ICP	<100ppb	<100ppb
Hafnium (Hf)	ICP	<100ppb	<100ppb
Vanadium (V)	ICP	<100ppb	<100ppb
Niobium(Nb)	ICP	<100ppb	<100ppb
Tantalum (Ta)	ICP	<100ppb	<100ppb
Chromium (Cr)	ICP	<100ppb	<100ppb
Molybdenum(Mo)	ICP	<100ppb	<100ppb
Tungsten (W)	ICP	<100ppb	<100ppb
Manganese (Mn)	ICP	<100ppb	<100ppb
Technetium (Tc)	ICP	<100ppb	<100ppb
Rhenium (Re)	ICP	<100ppb	<100ppb
Cobalt (Co)	ICP	<100ppb	<100ppb
Rhodium (Rh)	ICP	<100ppb	<100ppb
Iridium (Ir)	ICP	<100ppb	<100ppb
Nickel (Ni)	ICP	<100ppb	<100ppb
Palladium (Pd)	ICP	<100ppb	<100ppb
Platinum (Pt)	ICP	<100ppb	<100ppb
Copper (Cu)	ICP	<100ppb	<100ppb
Silver (Ag)	ICP	<100ppb	<100ppb
Gold (Au)	ICP	<100ppb	<100ppb
Zinc (Zn)	ICP	<100ppb	<100ppb
Boron (B))	ICP	<100ppb	<100ppb

Aluminum (Al)	ICP	<100ppb	<100ppb
Gallium (Ga)	ICP	<100ppb	<100ppb
Indium (In)	ICP	<100ppb	<100ppb
Thallium (Tl)	ICP	<100ppb	<100ppb
Carbon (C)	ICP	<100ppb	<100ppb
Silicon (Si)	ICP	<100ppb	<100ppb
Germanium (Ge)	ICP	<100ppb	<100ppb
Tin (Sn)	ICP	<100ppb	<100ppb
Phosphorus (P)	ICP	<100ppb	<100ppb
Antimony (Sb)	ICP	<100ppb	<100ppb
Bismuth (Bi)	ICP	<100ppb	<100ppb
Selenium (Se)	ICP	<100ppb	<100ppb
Tellurium (Te)	ICP	<100ppb	<100ppb
Stainless Steel	ICP	<100ppb	<100ppb
Lanthanum (La)	ICP	<100ppb	<100ppb
Cerium (Ce)	ICP	<100ppb	<100ppb
Praseodymium (Pr)	ICP	<100ppb	<100ppb
Neodymium (Nd)	ICP	<100ppb	<100ppb
Promethium (Pm)	ICP	<100ppb	<100ppb
Samarium (Sm)	ICP	<100ppb	<100ppb
Europium (Eu)	ICP	<100ppb	<100ppb
Gadolinium (Gd)	ICP	<100ppb	<100ppb
Terbium (Tb)	ICP	<100ppb	<100ppb
Dysprosium (Dy)	ICP	<100ppb	<100ppb
Holmium (Ho)	ICP	<100ppb	<100ppb
Erbium (Er)	ICP	<100ppb	<100ppb
Thulium (Tm)	ICP	<100ppb	<100ppb
Ytterbium (Yb)	ICP	<100ppb	<100ppb
7) Contaminant Testing			
4-estrene-3 β ,17 β -diol	GC-MS	0/g	0/g
4-androstene-3 β ,17 β -diol	GC-MS	0/g	0/g
5 α -androstane-3 β ,17 β -diol	GC-MS	0/g	0/g
5(6)-androstene-3 β ,17 β -diol	GC-MS	0/g	0/g

5(10)-estrene-3 β ,17 β -diol	GC-MS	0/g	0/g
Dehydroepiandrosterone (DHEA)	GC-MS	0/g	0/g
5 α -androstane-3,17-dione	GC-MS	0/g	0/g
5(x)-estrene-3,17-dione	GC-MS	0/g	0/g
Nandrolone	GC-MS	0/g	0/g
1,4-androstadiene-3,17-dione	GC-MS	0/g	0/g
5(x)-androstadien-3,17-dione	GC-MS	0/g	0/g
Testosterone	GC-MS	0/g	0/g
3) Stimulant Screen	GC-MS/ HPLC	0/g	0/g
Microbiological			
A) Total Plate Count	USP	<5000 cfu/g	<5000 cfu/g
B) Yeast/ Mold	USP	<50 cfu/g	<50 cfu/g
C) Coliform/ E.coli	USP	<10 cfu/g	<10 cfu/g
D) Listeria	USP	Negative/g	0/g
E) Yeast/Mold	USP	Negative/g	0/g
4) Country of Origin	Made in USA		

Certification Statement

All products manufactured by All American Pharmaceutical are free from irradiation and are GMO free.

I hereby certify that the above information is authentic and accurate. This batch of product has been manufactured, including packaging and quality control at the above-mentioned site in full compliance with the Food & Drug Administration (FDA of the United States of America) requirements of the local regulatory authority.

Marcia Mickulin

**Marcia Mickulin
QC Assistant**

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Certificate of Analysis

Customer	All American EFX	Item	K-otic Fruit Grape	Date	September 14, 2011
Product Code	CO# P159F	Lot Number	1294000		
Amount/Container	554 grams	Shelf Life	36 months		
Manufacture Date	September 2011	Expire Date	July 2014		
Manufacture: All American Pharmaceutical, 2376 Main Street, Billings, MT 59105					
Storage: Store in a cool, dry place out of the reach of children.					
TEST	TESTING METHOD	SPECIFICATION	RESULTS		
1) Assay (dry basis)	HPLC/FTNIR	95.0% min	>98.0%		
Active Ingredients (per 17.3 grams)					
11.8 gram proprietary Blend of: Kre-Alkalyn® KarboLyn® L-Tyrosine Beta Alanine Arginine-alpha-ketoglutarate Calcium Carbonate 1,3,7-trimethylxanthine (Caffeine 300 mg) Xanthose Acetyl-Tyrosine Dimethylxanthine Citrulline-malate		Phosphate Taxadral® White Tea, Black Tea, Green Tea DHB Bioperine® Vitamin/Mineral/Electrolite Matrix Sodium 32 mg Potassium 44 mg Vitamin B12. 1 mg Niacin 25 mg Vitamin C 25 mg Magnesium Citrate 5 mg Vitamin B6 2 mg Folic Acid 400 mcg			
Other Ingredients:		Citric Acid, Natural & Artificial Flavors, Sucralose, FD&C Red #40, FD&C blue			
2) Heavy Metals:					
Lead (PB)	ICP	<10ppm	<10ppm		
Cadmium (CD)	ICP	<1ppm	<1ppm		
Arsenic (AS)	ICP	<1ppm	<1ppm		
Mercury (HG)	ICP	<1ppm	<1ppm		
Lithium (Li)	ICP	<100ppb	<100ppb		
Sodium (Na)	ICP	<100ppb	<100ppb		

Potassium (K)	ICP	<100ppb	<100ppb
Rubidium (Rb)	ICP	<100ppb	<100ppb
Cesium (Cs)	ICP	<100ppb	<100ppb
Beryllium (Be)	ICP	<100ppb	<100ppb
Magnesium (Mg)	ICP	<100ppb	<100ppb
Calcium (Ca)	ICP	<100ppb	<100ppb
Strontium	ICP	<100ppb	<100ppb
Barium (Ba)	ICP	<100ppb	<100ppb
Scandium (Sc)	ICP	<100ppb	<100ppb
Yttrium (Y)	ICP	<100ppb	<100ppb
Lutetium (Lu)	ICP	<100ppb	<100ppb
Titanium (Ti)	ICP	<100ppb	<100ppb
Zirconium (Zr)	ICP	<100ppb	<100ppb
Hafnium (Hf)	ICP	<100ppb	<100ppb
Vanadium (V)	ICP	<100ppb	<100ppb
Niobium(Nb)	ICP	<100ppb	<100ppb
Tantalum (Ta)	ICP	<100ppb	<100ppb
Chromium (Cr)	ICP	<100ppb	<100ppb
Molybdenum(Mo)	ICP	<100ppb	<100ppb
Tungsten (W)	ICP	<100ppb	<100ppb
Manganese (Mn)	ICP	<100ppb	<100ppb
Technetium (Tc)	ICP	<100ppb	<100ppb
Rhenium (Re)	ICP	<100ppb	<100ppb
Cobalt (Co)	ICP	<100ppb	<100ppb
Rhodium (Rh)	ICP	<100ppb	<100ppb
Iridium (Ir)	ICP	<100ppb	<100ppb
Nickel (Ni)	ICP	<100ppb	<100ppb
Palladium (Pd)	ICP	<100ppb	<100ppb
Platinum (Pt)	ICP	<100ppb	<100ppb
Copper (Cu)	ICP	<100ppb	<100ppb
Silver (Ag)	ICP	<100ppb	<100ppb
Gold (Au)	ICP	<100ppb	<100ppb
Zinc (Zn)	ICP	<100ppb	<100ppb

Boron (B))	ICP	<100ppb	<100ppb
Aluminum (Al)	ICP	<100ppb	<100ppb
Gallium (Ga)	ICP	<100ppb	<100ppb
Indium (In)	ICP	<100ppb	<100ppb
Thallium (Tl)	ICP	<100ppb	<100ppb
Carbon (C)	ICP	<100ppb	<100ppb
Silicon (Si)	ICP	<100ppb	<100ppb
Germanium (Ge)	ICP	<100ppb	<100ppb
Tin (Sn)	ICP	<100ppb	<100ppb
Phosphorus (P)	ICP	<100ppb	<100ppb
Antimony (Sb)	ICP	<100ppb	<100ppb
Bismuth (Bi)	ICP	<100ppb	<100ppb
Selenium(Se)	ICP	<100ppb	<100ppb
Tellurium (Te)	ICP	<100ppb	<100ppb
Stainless Steel	ICP	<100ppb	<100ppb
Lanthanum (La)	ICP	<100ppb	<100ppb
Cerium (Ce)	ICP	<100ppb	<100ppb
Praseodymium (Pr)	ICP	<100ppb	<100ppb
Neodymium (Nd)	ICP	<100ppb	<100ppb
Promethium (Pm)	ICP	<100ppb	<100ppb
Samarium (Sm)	ICP	<100ppb	<100ppb
Europium (Eu)	ICP	<100ppb	<100ppb
Gadolinium (Gd)	ICP	<100ppb	<100ppb
Terbium (Tb)	ICP	<100ppb	<100ppb
Dysprosium (Dy)	ICP	<100ppb	<100ppb
Holmium (Ho)	ICP	<100ppb	<100ppb
Erbium (Er)	ICP	<100ppb	<100ppb
Thulium (Tm)	ICP	<100ppb	<100ppb
Ytterbium (Yb)	ICP	<100ppb	<100ppb
7) Contaminant Testing			
4-estrene-3 β ,17 β -diol	GC-MS	0/g	0/g
4-androstene-3 β ,17 β -diol	GC-MS	0/g	0/g
5 α -androstane-3 β ,17 β -diol	GC-MS	0/g	0/g

5(6)-androstene-3 β ,17 β -diol	GC-MS	0/g	0/g
5(10)-estrene-3 β ,17 β -diol	GC-MS	0/g	0/g
Dehydroepiandrosterone (DHEA)	GC-MS	0/g	0/g
5 α -androstane-3,17-dione	GC-MS	0/g	0/g
5(x)-estrene-3,17-dione	GC-MS	0/g	0/g
Nandrolone	GC-MS	0/g	0/g
1,4-androstadiene-3,17-dione	GC-MS	0/g	0/g
5(x)-androstadien-3,17-dione	GC-MS	0/g	0/g
Testosterone	GC-MS	0/g	0/g
3) Stimulant Screen	GC-MS/ HPLC	0/g	0/g
Microbiological			
A) Total Plate Count	USP	<5000 cfu/g	<5000 cfu/g
B) Yeast/ Mold	USP	<50 cfu/g	<50 cfu/g
C) Coliform/ E.coli	USP	<10 cfu/g	<10 cfu/g
D) Listeria	USP	Negative/g	0/g
E) Yeast/Mold	USP	Negative/g	0/g
4) Country of Origin	Made in USA		

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Certificate of Analysis

Customer	AAEFX	Item	K-otic Fruit Orange	Date	September 16, 2011
Product Code	CO# P159E	Lot Number	1295900		
Amount/Container	480 grams	Shelf Life	36 months		
Manufacture Date	September 2011	Expire Date	August 2014		
Manufacture: All American Pharmaceutical, 2376 Main Street, Billings, MT 59105					
Storage: Store in a cool, dry place out of the reach of children.					
TEST	TESTING METHOD	SPECIFICATION	RESULTS		
1) Assay (dry basis)	HPLC/FTNIR	95.0% min	>98.0%		
Active Ingredients (per 15 grams)					
11.8 gram proprietary Blend of: Kre-Alkalyn® KarboLyn® L-Tyrosine Beta Alanine Arginine-alpha-ketoglutarate Calcium Carbonate 1,3,7-trimethylxanthine (Caffeine 300 mg) Xanthose Acetyl-Tyrosine Dimethylxanthine Citrulline-malate		Phosphate Taxadral® White Tea, Black Tea, Green Tea DHB Bioperine® Vitamin/Mineral/Electrolite Matrix Sodium 32 mg Potassium 44 mg Vitamin B12. 1 mg Niacin 25 mg Vitamin C 25 mg Magnesium Citrate 5 mg Vitamin B6 2 mg Folic Acid 400 mcg			
Other Ingredients:		Citric Acid, Natural & Artificial Flavors, Sucralose, FD&C Yellow #6.			
2) Heavy Metals:					
Lead (PB)	ICP	<10ppm	<10ppm		
Cadmium (CD)	ICP	<1ppm	<1ppm		
Arsenic (AS)	ICP	<1ppm	<1ppm		
Mercury (HG)	ICP	<1ppm	<1ppm		
Lithium (Li)	ICP	<100ppb	<100ppb		
Sodium (Na)	ICP	<100ppb	<100ppb		

Potassium (K)	ICP	<100ppb	<100ppb
Rubidium (Rb)	ICP	<100ppb	<100ppb
Cesium (Cs)	ICP	<100ppb	<100ppb
Beryllium (Be)	ICP	<100ppb	<100ppb
Magnesium (Mg)	ICP	<100ppb	<100ppb
Calcium (Ca)	ICP	<100ppb	<100ppb
Strontium	ICP	<100ppb	<100ppb
Barium (Ba)	ICP	<100ppb	<100ppb
Scandium (Sc)	ICP	<100ppb	<100ppb
Yttrium (Y)	ICP	<100ppb	<100ppb
Lutetium (Lu)	ICP	<100ppb	<100ppb
Titanium (Ti)	ICP	<100ppb	<100ppb
Zirconium (Zr)	ICP	<100ppb	<100ppb
Hafnium (Hf)	ICP	<100ppb	<100ppb
Vanadium (V)	ICP	<100ppb	<100ppb
Niobium(Nb)	ICP	<100ppb	<100ppb
Tantalum (Ta)	ICP	<100ppb	<100ppb
Chromium (Cr)	ICP	<100ppb	<100ppb
Molybdenum(Mo)	ICP	<100ppb	<100ppb
Tungsten (W)	ICP	<100ppb	<100ppb
Manganese (Mn)	ICP	<100ppb	<100ppb
Technetium (Tc)	ICP	<100ppb	<100ppb
Rhenium (Re)	ICP	<100ppb	<100ppb
Cobalt (Co)	ICP	<100ppb	<100ppb
Rhodium (Rh)	ICP	<100ppb	<100ppb
Iridium (Ir)	ICP	<100ppb	<100ppb
Nickel (Ni)	ICP	<100ppb	<100ppb
Palladium (Pd)	ICP	<100ppb	<100ppb
Platinum (Pt)	ICP	<100ppb	<100ppb
Copper (Cu)	ICP	<100ppb	<100ppb
Silver (Ag)	ICP	<100ppb	<100ppb
Gold (Au)	ICP	<100ppb	<100ppb
Zinc (Zn)	ICP	<100ppb	<100ppb

Boron (B))	ICP	<100ppb	<100ppb
Aluminum (Al)	ICP	<100ppb	<100ppb
Gallium (Ga)	ICP	<100ppb	<100ppb
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Germanium (Ge)	ICP	<100ppb	<100ppb
Tin (Sn)	ICP	<100ppb	<100ppb
Phosphorus (P)	ICP	<100ppb	<100ppb
Antimony (Sb)	ICP	<100ppb	<100ppb
Bismuth (Bi)	ICP	<100ppb	<100ppb
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Terbium (Tb)	ICP	<100ppb	<100ppb
Dysprosium (Dy)	ICP	<100ppb	<100ppb
Holmium (Ho)	ICP	<100ppb	<100ppb
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7) Contaminant Testing			
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4-androstene-3 β ,17 β -diol	GC-MS	0/g	0/g
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5 α -androstane-3,17-dione	GC-MS	0/g	0/g
5(x)-estrene-3,17-dione	GC-MS	0/g	0/g
Nandrolone	GC-MS	0/g	0/g
1,4-androstadiene-3,17-dione	GC-MS	0/g	0/g
5(x)-androstadien-3,17-dione	GC-MS	0/g	0/g
Testosterone	GC-MS	0/g	0/g
3) Stimulant Screen	GC-MS/ HPLC	0/g	0/g
Microbiological			
A) Total Plate Count	USP	<5000 cfu/g	<5000 cfu/g
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D) Listeria	USP	Negative/g	0/g
E) Yeast/Mold	USP	Negative/g	0/g
4) Country of Origin	Made in USA		

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Cherie Heid

Cherie Heid
QC Director