

CERTIFICATE OF ANALYSIS

PRODUCT: GAMMA-AMINE BUTIRIC ACID (GABA)

BATCH N°: 104126

MANUFACTURING DATE: July 2.016

EXPIRY DATE: July 2.018

MOLECULAR FORMULA: C₄H₉NO₂

M.W.: 103.1g/mol

CAS N°: 56-12-2

IDENTIFICATION: Positive (IR)

APPEARANCE: Crystalline white powder with bitter taste.

PHYSICAL- CHEMICAL ASSAY:

pH :	7.42	(6.5-7.5)
LOSS ON DRYING:	0.32 %	(<0.50 %)
ASSAY:	99.48 %	(>99.00 %)
MELTING POINT:	197.5-199.0 °C	(197.0-204.0 °C)
RESIDUE ON IGNITION:	0.04 %	(<0.07 %)
BULK DENSITY:	0.43 g/ml	
COMPACTED DENSITY:	0.58 g/ml	
CLARITY SOLUTION:	Clear	(Clear)
HEAVY METALS:	<10 ppm	(≤ 10 ppm)
ARSENIC:	<1 ppm	(≤ 1 ppm)
CLORIDES:	<40 ppm	(≤ 40 ppm)
SULPHATES:	<50 ppm	(≤ 50 ppm)
CA²⁺:	No opalescence	(No opalescence)
IRON:	<10 ppm	(≤ 10 ppm)
LEAD:	<3 ppm	(≤ 3 ppm)
MERCURY:	<0.1 ppm	(≤ 0.1 ppm)
CADMIUM:	<1.0 ppm	(≤ 1.0 ppm)

SOLUBILITY: Totally soluble in water, moderately soluble in cold alcohol and practically insoluble in other organic solvents.

Normas: Complies manufacturer's specifications.

MICROBIOLOGY:

Total aerobis plate Count:	30 ufc/g	(≤ 1.000 ufc/g)
Yeasts and Molds:	20 ufc/g	(≤100 ufc/g)
E.Coli:	Negative	(Negative)
Salmonella:	Negative	(Negative)
Staphylococcus:	Negative	(Negative)

STORAGE: Keep in a well-closed container, protect from light and moisture.

OBSERVATION: All data shown are our supplier-manufacturer. The information specified above does not exempt in any case from the obligation to identify and control the product in relation to the provided use. This document is generated by computer and is valid without signature.

CERTIFICATE OF ANALYSIS

PRODUCT: MALTODEXTRINE

BATCH N°: 128116

MANUFACTURING DATE: July 2.016

EXPIRY DATE: July 2.018

PHYSICAL AND CHEMICAL ASSAYS:

LOSS ON DRYING:	4.6%	(0-5.0 %)
D.E.(Lane Eynon):	18.8	(17.0-19.9)
pH 50 % p/p:	4.4	(4.0-5.5)
SULFUR DIOXIDE:	0.7 mg/kg	(max 10 mg/kg)

MICROBIOLOGY:

Total Mesophilics:	0 ufc/10g	(max 1.000 ufc/10g)
Yeasts:	2	(max 50 ufc/10g)
Molds:	6 ufc/10g	(max 50 ufc/10g)

NUTRITIONAL VALUES (100g):

Energy:	1.615 KJ
Calories:	380 kcal
Total Fat:	0 g
Saturated Fat:	0 g
Carbohydrate:	95 g
Sugars:	7.1 g
Protein:	0g
Salt:	0g

Normas: Complies manufacturer's specifications.

STORAGE: Keep in a well-closed container, protect from light and moisture.

OBSERVATIONS:

Product considered Non-GMO. Product free of allergens. Product not irradiated. Product suitable for vegans and vegetarians. Product with KOSHER and HALAL Certificates.

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CERTIFICATE OF ANALYSIS

PRODUCT:	OMEGA 3 Menthol Microencapsulated Powder	
BATCH N°:	118096	
MANUFACTURING DATE:	June 2.016	
EXPIRY DATE:	June 2.019	
IDENTIFICATION:	Positive	
INGREDIENTS:	Concentrated fish oil micronized	50%
	Hydrolyzed protein	49%
	Peppermint oil	
CARRIERS:	Ascorbyl palmitate, TBHQ.	1%

APPEARANCE: Ocher-yellow powder with a mild peppermint odor.

PHYSICAL AND CHEMICAL ASSAYS:

ASSAY

. Fish oil content:	> 50.0%
• EPA (Eicosapentaenoic acid):	99.41mg / g
. DHA (Docosahexaenoic acid):	58.44 mg / g
LOSS ON DRYING:	2.29 %
HEAVY METALS:	<10 ppm
- Arsenic:	<0.05 ppm
- Lead:	<0.05 ppm
- Cadmium:	<0.05 ppm
- Mercury:	<0.01 ppm

NUTRITIONAL VALUES:

Carbohydrates:	0.0 %
Fats:	50.0 %
Proteins (N x 6.25)	50.0 %

MICROBIOLOGY:

Total aerobies plate Count:	<1.000 ufc/g
Yeasts and Molds:	<100 ufc/g
Salmonella/ E. coli:	Negative

Normas: Complies manufacturer's specifications.

OBSERVATIONS: Product free GMO conform to the Reg. CE 1829/2003, 1830/2003. Product not irradiated.

STORAGE: Keep in a well-closed container, protect from light and moisture. The temperature controlled between 8-10°C will extend its expiration.

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CERTIFICATE OF ANALYSIS

PRODUCT: RUTIN
BATCH N°: 414106
MANUFACTURING DATE: January 2.016
EXPIRY DATE: January 2.018
PART PLANT USED: Flos Sophorae immaturus
SOLVENTS USED: Water/Ethanol
BOTANICAL NAME: Sophora japonica L
MOLECULAR FORMULA: $C_{27}H_{30}O_{16} \cdot 3H_2O$
M.W.: 664.55 g/mol
CAS N°: 153-18-4
IDENTIFICATION: Positive (HPTLC)

APPEARANCE: Crystalline light yellow or Green-yellowish powder.

PHYSICAL AND CHEMICAL ASSAYS:

RUTIN (UV):	97.96 %	(95.00-102.00 %)
CHLOROPHYLL (UV):	<0.004 %	(<0.004 %)
RED-PIGMENTS (UV):	<0.004 %	(<0.004 %)
QUERCETINE (HPLC):	0.87 %	(<5.00 %)
PARTICLE SIZE (60 Mesh):	Conform	(>95.00 % through)
LOSS ON DRYING (120 °C):	6.73 %	(5.50-9.00 %)
TOTAL ASH:	0.21 %	(<0.50 %)
HEAVY METALS:	<10 ppm	(<30 ppm)
LEAD:	<3 ppm	(<3 ppm)
CADMIUM:	<1 ppm	(<1 ppm)
MERCURY:	<0.1 ppm	(<0.1 ppm)
ARSENIC:	<1 ppm	(<1 ppm)
RESIDUAL SOLVENTS:	Conform	(Meet USP)
RESIDUAL PESTICIDES:	Conform	(Meet USP34)

SOLUBILITY: Totally insoluble in water, soluble in methanol, quite soluble in ethanol 96%, practically insoluble in methylene chloride. It dissolves in solutions of alkaline hydroxides.

MICROBIOLOGY:

Total aerobies plate Count:	<10 ufc/g	(<1.000 ufc/g)
Yeasts and Molds:	<10 ufc/g	(<100 ufc/g)
E.Coli:	Conform	(Negative)
Salmonella:	Conform	(Negative)
Coliforms:	<10 ufc/g	(<10 ufc/g)

Normas: Complies USP, NF11 and manufacturer's specifications.

STORAGE: Keep in a well-closed container, protect from light and moisture.

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CERTIFICATE OF ANALYSIS

PRODUCT: GRAPE SEEDS DRY EXTRACT 95 % (*Vitis vinifera*)

BATCH N°: 212116

MANUFACTURING DATE: August 2.016
EXPIRY DATE: August 2.019

ENGLISH NAME: *Grape seed 95 %*
CAS N°: 84929-27-1
EINECS N°: 284-511-6
ORIGIN: China
PART PLANT USED: Seeds
CARRIER: Absence
PRESERVATIVES: Absence
EXTRACTION SOLVENT: Water/ Ethanol
RATIO: Aprox 15:1
IDENTIFICATION: Positive

APPEARANCE: Brown-redish fine powder with characteristic odor and taste.

PHYSICAL AND CHEMICAL ASSAYS:

PARTICLE SIZE:	Conform	(80 Mesh)
RELATIVITY DENSITY:	22 g/100ml	(20-50 g/100 ml)
LOSS ON DRYING:	4.25 %	(≤ 5 %)
RESIDUAL SOLVENTS:	cumple	(<0.05 %)
ASH:	1.05 %	(≤ 10%)
SOLUBILITY:	Conform	(Moderately soluble)
ASSAY -Proanthocianidines UV:	96.11 %	(≥ 95 %)

HEAVY METALS:

Arsenic:	Conform	(<2 ppm)
Lead:	Conform	(<3 ppm)
Cadmium:	Conform	(<1 ppm)
Mercury:	Conform	(<0.1 ppm)
PESTICIDES (BHT, DDT, PCNB):	Conform	USP36-561
AFLATOXINS B1-B1,B2,G1,G2:	Conform	(<2 ppb-<4ppb)
PHA's*:	Conform	(≤ 50 ppb)
BENZOPYRENE*:	Conform	(≤ 10 ppb)

*Complies Reg 2015/1933 manufacturers from April 2.016

MICROBIOLOGY:

Total aerobis plate Count:	Conform	(<10.000 ufc/g)
Yeasts and Molds:	Conform	(<1000 ufc/g)
Salmonella:	Conform	(Absence)
E.Coli:	Conform	(Absence)
Staphylococcus aureus:	Conform	(Absence)
Aeruginosa:	Conform	(Absence)

Normas: Ph.Eur. Ed. V.V and manufacturer's specifications.

STORAGE: Keep in a well-closed container, protect from light and moisture. Keep at a temperature not hihger at 30 ° C.

OBSERVATIONS: Product free GMO conform to the Reg. CE 1830/ 2003 & 1829/ 2003.
 Product free gluten. Product free BSE/TSE (conform with EEC99/742/EC & 97/534/EC).
 Product not irradiated (conform with Dir EEC EC/2/1999 and CE/3/1999).

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22/11/2.016

CERTIFICATE OF ANALYSIS

PRODUCT: VITAMIN B6 HCl (Pyridoxine hydrochloride)

BATCH N°: 201116

MANUFACTURING DATE: August 2.015

EXPIRY DATE: August 2.018

SYNONYMS: Adermine hydrochloride; Pyridoxol hydrochloride; Vitamin B₆ hydrochloride

CAS N°: 58-56-0

EINECS N°: 2003862

MOLECULAR FORMULA: C₈H₁₂ClNO₃ C₈H₁₁NO₃ · HCl

M.W. 205.60 g/mol

IDENTIFICATION:

1. Positive Reaction	Positive
2. IR	Positive

APPEARANCE: Crystalline white or white off powder and odorless.

PHYSICAL AND CHEMICAL ASSAYS:

MELTING POINT: 205.0 °C (Aprox. 205.0 °C)

RESIDUAL CALCINATION: 0.07 % (<0.10 %)

ASSAY: 99.60 % (99.00-101.00 %)

HEAVY METALS: <10 ppm (<20 ppm)

LOSS ON DRYING: 0.07 % (<0.50 %)

pH : 2.6 (2.4-3.0)

CLORIDES: 17.30 % (16.90-17.60 %)

LEAD: Conform (<2.0 ppm)

RELATED SUBSTANCES (Disregard limit:0.05 %):

• Impurity B: 0.00 % (<0.15 %)

• Inespecific Impurities: 0.02 % (<0.10 %)

• Total Impurities: 0.07 % (<0.20 %)

APPEARANCE SOLUTION: Conform (Clear and color <Y7)

SOLUBILITY: Totally soluble in water, moderately soluble in alcohol.
Prácticamente insoluble in chloroform and ether.

MICROBIOLOGY:

Total aerobies plate count: <1.000 cfu/g (<1.000 cfu/g)

Yeasts and Molds: <100 ufc/g (<100 ufc/g)

E. Coli: negative (negative)

Salmonella: negative (negative)

S.aureus: negative (negative)

Normas: Cumplies EP, FCC, USP, BP

STORAGE: Keep in a well-closed container, protect from light and moisture, at temperature aprox. 25°C.

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