

## CERTIFICAT D'ANALYSE

### My BCAA Pro Neutre

Numéro de lot : 16083912

DLC : 12/2018

Poids net : 500g

Composition : L-leucine micronisée, glutamine, L-valine micronisée, L-isoleucine micronisée, taurine, antiagglomérant : dioxyde de silicium.

#### ORGANOLEPTIQUE

Test	Résultat	Méthode
Apparence	Conforme	PNT-OG-01
Odeur	Conforme	PNT-OG-01
Arôme	Conforme	PNT-OG-01
Couleur	Conforme	PNT-OG-01

#### PHYSIQUE CHIMIE

Test	Résultat	Méthode
L-Glutamine	Conforme	TLC/UV-Vis/HPLC
L-Leucine	Conforme	TLC/UV-Vis/HPLC
L-Valine	Conforme	TLC/UV-Vis/HPLC
L-Isoleucine	Conforme	TLC/UV-Vis/HPLC
Taurine	Conforme	TLC/UV-Vis/HPLC

#### MICROBIOLOGIE

Test	Résultat	Méthode
Mésophile aérobique 30°C	$\leq 10.000$ cfu/g	PNT-MB-01
Entérobactéries	$\leq 10$ cfu/g	PNT-MB-02
Escherichia coli	Négatif	PNT-MB-03
Salmonelle (présence/25g)	Négatif	PNT-MB-04
Staphylococcus aureus	$\leq 10$ cfu/g	PNT-MB-05
Levures & moules	$\leq 1000$ cfu/g	PNT-MB-06

CERTIFICATS D'ANALYSES DES MATIERES PREMIERES

# Certificate of analysis

**Ingredient Name:** L-Leucine Micronized  
**Batch Number:** 16082263  
**Manufacture date:** 26/03/2016  
**Best before:** 25/03/2019

Analysis Items		Specifications	Test Method	Analysis Results
1.	Appearance	White crystalline powder	Visual	Conforms
2.	Identification	As per USP	USP	Conforms
3.	Specific Rotation	$+14.9^{\circ} \sim +17.3^{\circ}$	USP	$+15.5^{\circ}$
4.	Chloride(Cl)	$\leq 0.05\%$	USP	$< 0.05\%$
5.	Sulfate(SO4)	$\leq 0.03\%$	USP	$< 0.03\%$
6.	Heavy Metals	$\leq 15$ ppm	USP	$< 15$ ppm
7.	Iron(Fe)	$\leq 0.003 \%$	USP	$< 0.003\%$
8.	Chromatographic Purity	As per USP	USP	Conforms
9.	Loss on Drying	$\leq 0.2\%$	USP	0.16%
10.	Residue on Ignition	$\leq 0.4 \%$	USP	0.04%
11.	pH	5.5 to 7.0	USP	5.9
12.	Residual Solvents	As per USP	USP	Conforms
13.	Organic volatile impurities	As per USP	USP	Conforms
14.	Assay	98.5% to 101.5%	USP	99.7%
15.	Total Plate Count	$\leq 1000$ cfu/g	USP	Conforms
16.	Coliforms	Negative	USP	Conforms
17.	Yeast	$\leq 100$ cfu/g	USP	Conforms
18.	Molds	$\leq 100$ cfu/g	USP	Conforms
19.	Salmonella	Negative	USP	Conforms
20.	Staphylococcus aureus	Negative	USP	Conforms
21.	Mesh	$\geq 95\%$ thru 200 mesh	Internal	Conforms

# Certificate of analysis

**Ingredient Name:** L-Valine Micronized

**Batch Number:** 16082399

**Manufacture date:** 21/01/2016

**Best before:** 20/01/2019

Analysis Items		Specifications	Test Method	Analysis Results
1.	Description	White fine powder	Visual	Conforms
2.	Specific Rotation	+26.6°-+28.8°	USP	28°
3.	Assay	98.5-101.5	USP	99.7%
4.	pH	5.5 - 7.0	USP	5.97
5.	Chloride (Cl)	≤ 0.05%	USP	<0.05%
6.	Sulfate (SO4)	≤ 0.03%	USP	<0.03%
7.	Iron (Fe)	≤ 0.003%	USP	<0.003%
8.	Heavy Metals (as Pb)	≤ 0.001%	USP	<0.001%
9.	Loss on Drying	≤0.3%	USP	0.15%
10.	Residue on Ignition	≤0.10%	USP	0.05%
11.	Arsenic	< 1.5 ppm	USP	<1.0 ppm
12.	Lead	≤ 5.0 ppm	USP	<5.0 ppm
13.	Total Plate Count	≤ 1000 cfu/g	USP	10 cfu/g
14.	E.Coli	Negative/10 g	USP	Negative
15.	Salmonella	Negative/10 g	USP	Negative
16.	Staphylococcus Aureus	Negative/10 g	USP	Negative
17.	Mesh	95% thru 200 mesh	Prinova	Conforms

# Certificate of analysis

**Ingredient Name:** L-Isoleucine Micronized  
**CAS Number** 72-18-4  
**Batch Number:** 16082247  
**Manufacture date:** 27/01/2016  
**Best before:** 26/01/2019

Analysis Items		Specifications	Test Method	Analysis Results
1.	Appearance	White fine powder	Visual	Conforms
2.	Assay	98.5 – 101.0%	USP	99.4%
3.	Loss on Drying	≤0.3%	USP	0.06%
4.	Specific Rotation	+38.9°-+41.8°	USP	+40.6°
5.	Residue on Ignition	≤0.3%	USP	0.08%
6.	Chloride	≤ 0.05%	USP	< 0.05%
7.	Iron	≤ 30 ppm	USP	<30 ppm
8.	pH	5.5 – 7.0	USP	6.24
9.	Sulfate	<0.03%	USP	<0.03%
10.	Heavy Metals	≤15 ppm	USP	<15 ppm
11.	Lead (pb) mg/kg	<0.5	USP	<0.5
12.	Cadmium (cd) mg/kg	<1	USP	<1
13.	Mercury (hg) mg/kg	<0.1	USP	<0.1
14.	Arsenic (as) mg/kg	<1	USP	<1
15.	Total Plate Count	≤2000	USP	<20
16.	E.Coli	Negative/10 g	USP	Conforms
17.	Salmonella	Negative/10 g	USP	Conforms
18.	Staphylococcus Aureus	Negative/10 g	USP	Conforms
19.	Mesh	≥ 95% thru 200 mesh	Internal	Conforms

# Certificate of analysis

**Ingredient Name:** Taurine  
**Batch Number:** 16082382  
**Manufacture date:** 29/07/2016  
**Best before:** 28/07/2019

	Analysis Items	Specifications	Test Method	Analysis Results
1.	Characteristics	White crystalline powder	Visual	Conforms
2.	Identification	As per USP	USP	Conforms
3.	pH	4.1-5.6	USP	4.9
4.	Clarity and color of solution	Clear an colorless	USP	Conforms
5.	Heavy Metals	≤ 15 ppm	USP	<8 ppm
6.	Chloride	≤0.05%	USP	0.010%
7.	Sulfate(SO4)	≤0.03%	USP	0.010%
8.	Iron(Fe)	<3 ppm	USP	<10 ppm
9.	Arsenic	≤ 1 ppm	USP	Conforms
10.	Lead	≤ 3 ppm	USP	Conforms
11.	Mercury	≤ 1 ppm	USP	Conforms
12.	Cadmium	≤ 1 ppm	USP	Conforms
13.	Ammonium	≤ 0.02 %	USP	Conforms
14.	Chromatographic Purity	0.5% max	USP	0,2 % max
15.	Loss on Drying	≤0.3%	USP	0.07%
16.	Residue on Ignition	≤ 0.3 %	USP	0.06%
17.	Total Plate Count	≤100 cfu/g	USP	Conforms
18.	Coliforms	Negative	USP	Conforms
19.	Yeast an molds	≤100 cfu/g	USP	Conforms
20.	E.Coli	Negative/10 g	USP	Conforms
21.	Salmonella	Negative/375 g	USP	Conforms
22.	Staphylococcus aureus	Negative/25 g	USP	Conforms
23.	Mesh	100% passing 30 mesh	Internal	Conforms

# Certificate of analysis

**Ingredient Name:** L- Glutamine  
**CAS Number** 56-85-9  
**Batch Number:** 16082885  
**Manufacture date:** 12/09/2016  
**Best before:** 10/09/2019

TEST CONTENTS	SPECIFICATIONS	Results
Appearance	White crystalline powder	Complies
Assay	98.5~101.5%	98.8%
Specific Rotation	+6.3°~+7.3°	+6.53°
Loss on drying	≤0.3%	0.20%
Ignited Residue	≤0.1%	0.08%
Bulk density	≥0.5g/ml	0.58g/ml
Mesh size	≥95.0% pass 120mesh	Complies
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤1ppm	Complies
<b>MICROBIOLOGY</b>		
Total plate count (cfu/g)	≤1000cfu/g	Complies
Yeast & Mould(cfu/g)	≤100cfu/g	Complies
E.Coli	Negative	Negative
Salmonella	Negative	Negative
S.Aureus	Negative	Negative
<b>HEAVY METALS</b>	≤15ppm	Complies
Cd	≤1ppm	Complies
Pb	≤3ppm	Complies
Hg	≤0.1ppm	Complies

# Certificate of analysis

**Ingredient Name:** Silicon dioxide  
**Batch Number:** 16081807  
**Manufacture date:** 05/05/2016  
**Best before:** 05/05/2019

Analysis Items	Specifications	Analysis Results
pH	5.5-7.5	6,6
Loss 105°C	7 max	4,4%
Loss 1000°C	13 max	8,8%
Loss at 1000°C (dry basis)	8.5 max	3,8%
Sulphate, as SO <sub>4</sub>	3.0 max	0,25%
Arsenic as As	≤3	0,07 ppm
Lead as Pb	<5	0 ppm
Heavy Metals (mg/kg)	<26	3 ppm
Mercury	≤1	0,07 ppm
TVC	≤1000	5 cfu/g
% SiO <sub>2</sub>	≥94	99,6%



Nous certifions que les informations du document proviennent des certificats d'analyses originaux des fabricants/fournisseurs.

Le 06/01/2017

Lesève Guillaume - Président

A handwritten signature in blue ink, appearing to be 'G. Lesève', written in a cursive style.