

QC/Y/0229/20

Production Date: 2020/03

Validity: 2022/03

INVOICE: 15190

**CERTIFICATE OF ANALYSIS**

**Product Name: Pau D'arco Dried Extract Powder**

Code	IPE8XSCEDES 2443
Botanical Source	Tabebuia avellanedae Lor ex. Griseb
Batch	0397SD0320
Family	Bignoniaceae
Origin	Brazil
Harvest Region	Amazon
Used Part	Inner Bark
Preservative	Absent
Colorant	Absent
Solvent	Ethanol: Water
Carrier	Maltodextrine
Dry residue	60%
Ratio	8:1
Irradiation	Free
GMO	Free
BSE	Free

Assay	Limits/ Specification	Test Method	Results
<b>PHYSICAL-CHEMICAL ANALYSIS</b>			
Appearance	Powder	Visual	Conform
Color*	Brown	Visual	Conform
Odor	Characteristic	Ph Eur. 9 <sup>th</sup>	Conform
Taste	Characteristic	Organoleptic	Conform
Solubility	soluble in water	Ph Eur. 9 <sup>th</sup>	Conform
Density	NLT 0.300 g/ml	Ph Eur. 9 <sup>th</sup>	0.469 g/ml
Granulometry	NLT 90% through 60 mesh	Ph Eur. 9 <sup>th</sup>	98.62%
Moisture	NMT 5%	Ph Eur. 9 <sup>th</sup>	5.00%
pH(25°C):	4.00± 1.00	Ph Eur. 9 <sup>th</sup>	4.42
Arsenic	Less than 2ppm	ICP-MS	<2ppm
Heavy Metals**	NMT 20ppm	ICP-MS	<20ppm
Solvent Residue	NMT 0.5%	Ph Eur. 9 <sup>th</sup>	Not Detectable
Ash	NMT 5%	Ph Eur. 9 <sup>th</sup>	0.47%
<b>MICROBIOLOGICAL</b>			
Total Plate Count	< 10.000 cfu/g	A.O.A.C	< 10.000 cfu/g
Yeast and Molds	< 1000 cfu/g	A.O.A.C	<1000 cfu/g
<u>Escherichia coli</u>	Absent/ g	A.O.A.C	Absent/g
<u>Staphylococcus aureus</u>	Absent/ g	A.O.A.C	Absent/g
<u>Salmonella sp***</u>	Absent/ 25g	A.O.A.C	Absent/25g
<u>Total Coliforms</u>	< 10 cfu/g	A.O.A.C	< 10 cfu/g

STORAGE: Store in a cool and dry place, away from strong and direct light.

SHELF LIFE: Three years from date of manufacture, when properly stored.

REFERENCE: A.O.A.C Official Methods of Analysis (990.12/991.14) and European Pharmacopoeia 9th Edition, 2017

\* This product may undergo minor color variations because it is a natural product.

\*\*Monitoring once one Years by method AOAC Intl. 2013.06, 20ed, 2016 and AOAC Intl. 2015.06, 20ed, 2016.

\*\*\*test once one years.

**MATERIAL STATUS: FOOD GRADE**

**PRODUCT OF BRAZIL**

Leticia Tavares  
Quality Assurance and Quality Assurance Manager

Colombo, April 01, 2020

This certificate is intended to preserve the identity, origin and standard of quality requested.