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**GREEN PROPOLIS EXTRACT POWDER FROM BRAZIL**

**SYMBOL: DEP/BRG/70/01**

<b>Product</b>	green Propolis Extract Powder from Brazil
<b>General information</b>	
Raw material name	Propolis
Concentration	70%
Origin	Brasil
Ingredients	green Propolis Extract from Brazil, aqueous extract of Brazilian green propolis, starch, and silicon dioxide.
Storage conditions	store the container tightly closed in a cool, dry place
Organic origin	<i>Baccharis dracunculifolia</i>
<b>Organoleptic properties</b>	
Taste	strong and bitter
Colour	greenish powder
Fragrance	characteristic for <i>Baccharis dracunculifolia</i>
Packaging	5 kg nylon plastic bag

**PHYSICOCHEMICAL CONTROL**

Test	Specification	Result
Granulation	Min. 80% ≤ 80 mesh	87%
Flavonoid Identification	Present	Compliant
Phenolic Compounds Identification	Present	Compliant
pH (10% aqueous solution at 25°C)	3.0 – 8.0	5.90
Moisture Content	Max. 8.0%	5.60%
Oxidation Index	Max. 22 seconds	5 seconds
Bulk Density	0.60 ± 0.20 g/cm <sup>3</sup>	0.530 g/cm <sup>3</sup>
Flavonoid Compounds	Min 8,500 mg/100g	11,513 mg/100g
Phenolic Compounds	Min. 14,000 mg/100g	16,740 mg/100g
p-Coumaric Acid	Present	Compliant
Cinnamic Acid	Present	Compliant
Diethylene Glycol	Not detected	Compliant
Artepillin C	Min 3,500 mg/100g	4,120 mg/100g

**ANTIBIOTIC RESIDUE TESTS**

Test	Specification	Result
Chlortetracycline	Max 0.05 mg/kg	< 0.05
Oxytetracycline	Max 0.05 mg/kg	< 0.05
Tetracycline	Max 0.05 mg/kg	< 0.05

**HEAVY METAS TESTS**

Test	Specification	Result
Pb - Lead	Max 0.3 mg/kg	< 0.050
Hg - Mercury	Max 0.1 mg/kg	< 0.050
As - Arsenic	Max 0.3 mg/kg	< 0.050
Cd - Cadmium	Max 0.3 mg/kg	< 0.050

**MICROBIOLOGICAL CONTROL**

Test	Specification	Result
Total Bacterial Count	Max 3 x 10 <sup>3</sup> CFU/g	Absent/g
Total Coliforms	Absent/g	Absent/g
Escherichia coli	Absent/g	Absent/g
Staphylococcus aureus	Absent/g	Absent/g
Moulds and Yeasts	Max 1 x 10 <sup>3</sup> CFU/g	Absent/g
Salmonella spp (test)	Absent/25g	Absent/25g