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Typical specification Sceletium Extract

Description:

Light brown/grey hygroscopical fine powder, slightly typical odour

Analysis:

Origin Plant

Sceletium tortuosum

Chemical Classification

Organic, Nutritive

Physical appearance

Light brown/grey, hygroscopic fine powder

Colour

Light brown to grey

Odor

Slightly typical

Taste

Bitter

Specification

Typical result:

Auxiliary substance (anti-caking agent, silica dioxide)

< 30%

23.00%

Extraction Solvents used

Ethanol / water

Specification:

Result:

Total alkaloids by spectrophotometer

> 5.0%

5.56%

Loss on drying

< 10%

7.3%

Typical values of specific alkaloids by HPLC

Mesembrine

N/A

1.92%

Mesembrenone

N/A

1.03%

Mesembrenol

N/A

0.13%

Delta (7) Mesembrenone

N/A

0.95%

Heavy metals:

Arsenic (As)

< 3 ppm

Complies

Cadmium (Cd)

< 1 ppm

Complies

Lead (Pb)

< 10 ppm

Complies

Mercury (Hg)

< 1 ppm

Complies

Microbiology:

Total viable aerobic count (CFU/g)

≤ 1000

Complies

Coliforms

≤ 500

Complies

Yeast and Mould (CFU/g)

≤ 500

Complies

Escherichia coli

No growth

No growth

Salmonella

Absent

Absent

Staphylococcus aureus

No growth

No growth