

Date : August 7, 2023

CERTIFICATE OF ANALYSIS – BOSWELLIC ACIDS

SAMPLE IDENTIFICATION

Internal code : 23G24-NBO01

Customer identification : Frankincense - Batch: NB 00084

Type : Resin

Source : *Boswellia* sp.

Customer : ~~Natural Boswellia / Merckel Modern Trad. & Services~~

Checked and approved by :

Alexis St-Gelais, Ph. D., chimiste 2013-174

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BOSWELLIC ACIDS ANALYSIS

Method: Extraction of the resin with hot methanol three times. Dilution of the filtered combined extracts to a known, proper volume. Quantitation of boswellic acids by UPLC-MS-SIM against a calibration curve of the reference compounds. Duplicate assay.

Analyst : Maxim Bouchard, technicien

Analysis dates : August 4-7, 2023

RESULTS

| Compound | Result (% m/m, \pm standard deviation) |
|--|--|
| 11-Keto- β -boswellic acid (KBA) | 1.85 \pm 0.11 |
| 3-O-Acetyl-11-keto- β -boswellic acid (AKBA) | 9.55 \pm 0.74 |
| α -Boswellic acid | 2.61 \pm 0.24 |
| β -Boswellic acid | 7.08 \pm 0.74 |
| 3-O-Acetyl- α -boswellic acid | 3.50 \pm 0.36 |
| 3-O-Acetyl- β -boswellic acid | 9.75 \pm 0.96 |