Chemotype Profile

Chamomile Essential Oil

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PRODUCT **Chamomile Essential Oil** · BOTANICAL NAME **Matricaria recutita L. (syn. Matricaria chamomilla)** · DATE **29.09.2026**

PRODUCER

Bioform Ltd

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DOCUMENT CONTROL

Chemotype Profile

Version: 1.1
Issued: 29.09.2026
Applies to: Chamomile Essential Oil
Scope: Typical composition by GC
Status: Approved

Indicative values. The values in this document are typical of the product, not the results of a particular batch. For batch-specific documentation and values (certificate of analysis, GC-MS report), contact us at **sales@bioform.bg** or +359 889 45 05 50.

PROFILE

Chemotype	α-Bisabolol / bisabolol oxides
CAS	8002-66-2
Method	GC-MS, % peak area

TYPICAL COMPOSITION (% OF TOTAL PEAK AREA)

CONSTITUENT	TYPICAL RANGE	%
α-Bisabolol [2]		24.6–47.3
Bisabolol oxide A [2]		2.8–27.8
Bisabolol oxide B [2]		1.3–20.6
Chamazulene [2]		0.6–20.1
(E)-β-Farnesene [2]		1.7–7.8
Spathulenol [2]		0.4–6.1

Typical ranges for this compound, not the analysis of a particular batch. The certificate of analysis and GC-MS report for a batch are available on request.

NOTES

Ranges span the three cited studies. The wide ranges reflect the different German chamomile chemotypes (α-bisabolol-rich and bisabolol-oxide-rich).

SOURCES

2. Gorgini Shabankareh et al. (2025). Evaluation of the rainfed and irrigated conditions on biomass and essential oil yield of German chamomile (Matricaria chamomilla) in response to melatonin foliar application. BMC Plant Biology 25:131 (field-grown German chamomile) — https://doi.org/10.1186/s12870-025-06160-2 (accessed 2026-09-28)

REMARK: The information in this document describes the product as supplied by Bioform Ltd and is given in good faith.

Place: 6160 Tazha, Bulgaria
Date: 29.09.2026

Биоформ

Signature and stamp
Mariya Staykova
Authorised representative
FOR AND ON BEHALF OF BIOFORM LTD