VELDEN Office 9A First Floor

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TECHNICAL DATA SHEET (TDS)

Product: AxRose™ Trielle | Material code: FG-AxRose-Blend-001

Revision date: 22 July 2026 | Version: 1.0

1. Product description

AxRose™ Trielle is a cosmetic ingredient blend comprising of a botanical oil blend, an essential oil component, and an antioxidant stabiliser. The blend is intended for incorporation into final cosmetic and personal care formulations.

Country of Origin: South Africa

2. Intended use

Cosmetic ingredients blend for incorporation into final cosmetic/personal care formulations. For external use in cosmetic formulations. Not intended for ingestion.

3. Composition (w/w)

Component	INCI name	CAS No.	% w/w
Marula seed oil	Sclerocarya Birrea Seed Oil	68956-68-3	85 – 95
Rosehip seed oil	Rosa Rubiginosa L. kernel Seed Oil	84603-93-0	5 – 15
Vitamin E acetate	Tocopheryl Acetate	7695-91-2	≤ 1.0
Rosemary oil	Rosmarinus Officinalis Leaf Oil	8000-25-7	≤ 0.5

** Proprietary blend. Exact composition is confidential. Full formulation data available to authorised parties under Non-Disclosure Agreement (NDA). This product contains the following EU-regulated fragrance allergens as defined under Regulation (EU) 2023/1545: D-Limonene, Linalool, Pinene (α and β isomers), and Camphor. These are naturally occurring constituents of Rosmarinus officinalis (Rosemary) Leaf Oil. Concentration data is available upon request to support finished product allergen labelling compliance.*

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4. Technical properties

Parameter	Method	Value
Appearance	Visual QC-SOP-001	Opaque liquid
Colour	Visual QC-SOP-001	Golden amber/orange
Odour	Organoleptic QC-SOP-001	Cereal/nutty/ eucalyptus
Relative Density @ 25°C g/ml	Pycnometer QC-SOP-002	0.915 – 0.945
Refractive index @ 20°C (nD)	Refractometer QC-SOP-003	1.455 - 1.470
*Viscosity kg/m.s	ASTM D1343-95(2019) (adapted)	0.03 – 0.05
*Peroxide Value mEq O_2/kg	BIO-20	≤ 10.0
Solubility in water	Visual dispersion test in water QC-SOP-001	Insoluble in water
*Flash point	ASTM D93 (adapted)	149.0 °C
*Anisidine value	PJL-M88	≤ 5
*Iodine value	PJL-M33	70 - 85
*Chemical Composition (mg/ml): Oleic acid (C18:1) Palmitic acid (C16:0) Glycidyl oleate Vaccenoylglycerol Tocopheryl acetate γ Tocopherol γ sitosterol α Pinene β Pinene D Limonene Eucalyptol (1,8 cineole) Camphor Borneol Glycidyl palmitate Isobornyl acetate	GC-MS ME-EA-007	 0.70 – 1.10 0.05 – 0.15 0.30 – 0.60 0.10 – 0.30 0.80 – 1.20 0.05 – 0.20 0.01 – 0.05 0.05 – 0.12 0.01 – 0.05 0.005 – 0.04 0.05 – 0.12 0.03 – 0.08 0.005 – 0.03 NMT - 0,10 0,01 – 0,05
*Lipid Composition (g/100 ml): Total fat Saturated fatty acids Monounsaturated fatty acids Polyunsaturated fatty acids Total Trans fatty acids	NUTR-205	 99 – 100 18 – 22 65 – 72 10 – 15 <0.1
Organochloride Pesticides *(mg/kg)*	WIN-VM-061	<0.03
EU fragrance allergen declaration	Supplier declaration	Limonene Linalool

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Abbreviations: TAMC: Total Aerobic Microbial Count, TYMC: Yeast and Mould Count, CFU: Colony Forming Units, nD: Refractive number

5. Quality / release information

Each batch of AxRose™ Trielle is supplied with a Certificate of Analysis (CoA) indicating batch identification, traceability, and release results.

Release criteria (routine on each batch)	Method	Acceptance
Appearance	Visual QC-SOP-001	Opaque liquid
Colour	Visual QC-SOP-001	Golden amber/orange
Odour	Organoleptic QC-SOP-001	Cereal/nutty/ eucalyptus
Relative Density @ 25°C g/ml	Pycnometer QC-SOP-002	0.915 – 0.945
Refractive index @ 20°C (nD)	Refractometer QC-SOP-003	1.455 – 1.470
*Viscosity kg/m.s	ASTM D1343-95(2019) (adapted)	0.03 – 0.05
*Peroxide Value mEq O_2/kg	BIO-20	≤ 10

6. Remarks

- Testing marked with * was conducted by an independent third-party laboratory.
- Microbiological testing performed by SANAS ISO/IEC 17025 accredited laboratory using validated methods aligned with applicable ISO cosmetic microbiology standards.
- Microbiological testing is not routinely performed for this anhydrous oil-based product. Testing available upon request.

7. Handling and storage

Store in tightly closed, light-resistant containers at or below 25 °C in a cool, dry, well-ventilated area away from direct sunlight, heat sources, and strong oxidising agents. Spills may create a slip hazard.

8. Shelf life

Provisional shelf life: 12 months when stored at or below 25 °C in the sealed original packaging. The full shelf life will be confirmed upon completion of real-time stability studies.

9. Packaging

Packaging: As supplied by Velden Botanicals S.A. (e.g., HDPE or suitably lined containers). Available options and pack sizes on request.

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10. Safety and regulatory reference

For safety information, hazard communication and transport classification, refer to the corresponding Safety Data Sheet (SDS) for this material code.

11. Efficacy test results

On request.

12. Processing method

The blend is manufactured by combining the oils together using low shear mixing.

13. TDS disclaimer

This Technical Data Sheet is provided for product identification and technical guidance only. Typical values are not specifications unless explicitly stated. Product performance and suitability depend on the customer's formulation, processing conditions and intended use. Users remain responsible for compliance with applicable laws and regulations.

14. Change Control Policy

Velden operates a documented Change Control system designed to uphold product quality, safety, performance, and compliance with regulatory requirements. To ensure transparency and continuity, Velden will provide at least 60 days' written notice before implementing any change that could reasonably affect the product's identity, specifications, quality attributes, safety, regulatory status, or intended performance.

Changes subject to notification include, but are not limited to, modifications involving raw material source or supplier, country of origin, formulation or active standardization range, manufacturing site, equipment, or process, critical process parameters, specifications or test methods, packaging components in direct contact with the product, labelling or INCI declarations, and storage or transportation conditions.

All proposed changes undergo formal risk assessment and, where applicable, are supported by validation data. Updated quality and regulatory documentation will be provided as necessary. In cases where urgent changes are required to address safety, legal, or supply continuity risks, Velden will notify customers as soon as practicable and provide supporting justification and mitigation actions.

This document is a computer-generated printout and has not been signed by hand.

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