

Unique Proprietary Material Highlight:

Uvalife® Antioxidant Blend



- ✓ Our **Uvalife™ Antioxidant blend** contains a combination of fruit, seed, leaf, juice ferment derived from Australian Red Grapes.
- ✓ The blend is sustainable through its inclusion of our own **MBc Research Parks**-derived grape material, as well as byproducts from the Australian wine industry
- ✓ The substantial antioxidant profile has been validated by Southern Cross University, and the National Measurement Institute of Australia (NMI), including two specific classes of biologically active antioxidants (catechins and anthocyanosides)

Key indications:

- ✓ Antioxidant
- ✓ UV filtering
- ✓ Anti-pollution

Composition analysis: antioxidant profile

Antioxidant Parameters	Level	Unit
Antioxidant capacity (ORAC)	1439	μmol TE/kg
Total polyphenols	16736	mg CE/kg
Catechins	670	mg/100g
Anthocyanosides	50	mg/100g



References:

- ARL Analysis Report A231984 ARL230 6594, 2023/09
- Costa et al. J Sci Food Agric. 2019 Aug 15;99(10):4593-4601
- Carlsen et al. Nutr J. 2010 Jan 22;9:3. doi: 10.1186/1475-2891-9-3.

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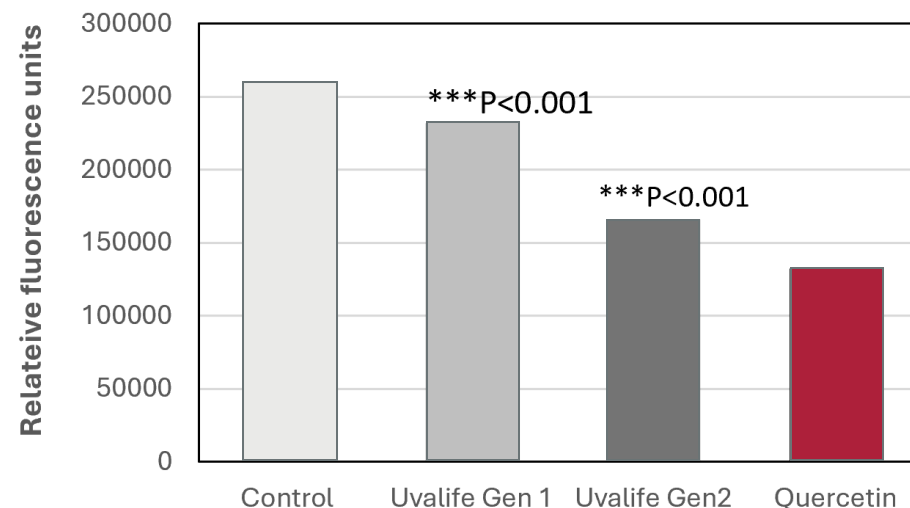
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Efficacy testing: free radical reduction in human cultured skin cells

- ✓ Tested under animal free cell culture conditions for free radical lowering effects
- ✓ Human Keratinocytes were exposed to Uvalife™ in liquid form for one hour, followed by an initiator of ROS
- ✓ Cells exposed to **Uvalife™ showed a reduction in free radical levels**, as indicated by H2DCFDA, a fluorescent probe that decreases brightness in response in the presence of antioxidants
- ✓ Levels approached the strength of quercetin, a control antioxidant polyphenol found in fruit, e.g. berries
- ✓ **Conclusion: Uvalife™ Blend reduces free radicals in skin cells.**



Uvalife™ lowers free radical production in human keratinocytes after 1hr



References:

Antioxidant testing (internal report) xCellR8 24MAX01AO, 13092024.